```
cgctcgccaa ccatggaggg ggggaggaca atgccaacga ggcgagaaag ccacacgggc   120

ccaagcatgg caaggacggc acgacccca gaaggaataa ctacaaagcc tggcacaacg   180

cgggcaagat accctgcaac gggcacaaag                                   210


<210>      29977
<211>      426
<212>      DNA
<213>      Glycine max

<400>      29977

tgaggtggat tgcaatggag aaggtgttgt ttttgctgag gctttcatgg ccagaggtct    60

agtgtattat tcccctctc ataatacagg tcacagatta attaattcct tcaactttg   120

gaatttctag atcatgaacc gaaaatccta tgaccacagc ttataaaaaa gaagagaaaa   180

acacgtctaa ttataattat tatattcaat tataagttta tttatcgatt aagtatgatc   240

atcattatga agatattcaa atgatgacct actgggtttc tgttaatata acagaggacg   300

catcaagtat ctaatacaag tgttatgggc tggtgtgtca acgcacaaag cttgtgtata   360

ggaagcttat ggtggtataa tcccctgcag aaatacaaat attaattatt ttaacagatt   420

tgtctc                                                             426


<210>      29978
<211>      142
<212>      DNA
<213>      Glycine max

<400>      29978

tatccgaacc tacctactca tactttatgc ctagactgat cggctactct gccccttaat    60

ctttctatgc atagagcata ctgtcaatga gacagccaag taccaactaa tctcaagaga   120

aacatgtcat caagcttcat at                                           142


<210>      29979
<211>      355
<212>      DNA
<213>      Glycine max

<400>      29979

ttacaatcgt tgaccatgat ttgagaaacc gtgagggtta atatcactgt tgctatgaca    60
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atcttttgtt atagtcagtc cacatggtag ttatgtcaca gggaatgttg actataaata  120

tcacgtctaa gctatcggaa ctgactccga acttggatac tgactatagt gattcaacag  180

acttttttgag actacgggat ctatgagaga ctcagcatgt attctataat gactatacaa  240

agtattttcg cactataacg actattaata tcatactcct gagactatgt atagagtaga  300

tgagttatat taagctatgg atcggacatc atcaagtata ctgcttgatt atata        355


<210>      29980
<211>      386
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      29980

agcttgatnc tcgaatngat tntagcctta gtttcacttt ggttattagt caattcggtt   60

aagaaagaaa aatcccanag aanaacgtcc gatttgattt tttgattatt ttattaaaat  120

atatatnttt tattattata ttactatttt gcctttntttt tgttttaaat gtggttacgg  180

catgacagaa cggtcgaatt tcattttaac agaaattaaa agatgttaca attcaaatga  240

tcggtggaaa tttattttat ttttgattag gcgaggaaat gacttanata aatgactaaa  300

gcacgtcaaa agagggtatg gaaagtaaat gaaataaaaa taaaagcacg cgaaacaaat  360

ggggaccact aagggtacat agaatg                                        386


<210>      29981
<211>      440
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      29981

nttaactgaa tttgcaacgt tctaattgtt ttttaaatgg tgtaatcgat tacaatatat   60

tggtaatcga ttaccagtgt atctgaacgt tgaaattcaa attcaattgt gaagagtcac  120

atcttttcat aaaattattt gtgtaattga ttacatggtt ttggtaatcg attaccagtg  180

acaagttttg aataaaaatc aagagatgta actcttccaa tggtttttcag gttttttctca  240

aggttataac tcttccaatg gtttttcttg accagacatg aggagtctat aaaagcaaga  300

ccttgacttg aatttcaata actntatata tatactttta catcctttga atctctttga  360
```

acatctttttt gaacttcttc ttcttcttct tcctttgcca aaagctttct gagtttttctg 420

gtttccaaac cttgttctttt   440

<210>   29982
<211>   371
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29982

agcttgacag gtccaggtgc ggttgctgct actggtggag ggacttcaat ttgcttgcca   60

gacctcaagg tgatggcact cacattcttc ggattntgca ccatttgtga aggcaatttg 120

tcagaatttt gggactgagc ttggttcaac tgagtagcca tctgccccat ctgatttatc 180

agactctaaa tagaggctct tgtctctntc tgaaattgca tattctggat agtcatttgc 240

ctcactaact cctctaagga aggttgagaa aagggcctca gttgcttgtt gtctttgttg 300

gtggtgctgc attggaggag gaacatatgg cctgcttgga ccaacaacat tctggaaggg 360

agggacaggc t   371

<210>   29983
<211>   457
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29983

tccctttctt tggccaatgc tggactcgtt tggcagtgat ttccttggca atctgatgct   60

cagaaacatc aatatccacc actccttcag taggtctgcc caggtatttg ttgatcaccg 120

caggggagaa tctaacacac tttcctctga caaacactct ttgataatca tcactttttc 180

tgtttgttat gtcagaggga atgttgacaa taaattccct gactaggctt tcataacagt 240

ctcccaactt ggtgactgtt ttcagtagtc cagcagcctt gatgagttcc atggtctcct 300

tgcaatccaa ggcatttctt cccagttctc tttccaaggc aagtctgcgt tgatacacgt 360

atttccacct ttcagcattg ccaatggagt ggaatgagat gttgtccaat ggtgcatcan 420

ggacattntc aggcaccttt ttcccagatt tcttggt   457

<210>   29984

<211>   462
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29984

ctaagctgag tcacattggg ggttccagtt aaacctgcgc tgtgtatata cctcattatc   60

aattggccta gtatcaacaa cgttatcaac tgtttgaatg ccctccaaaa gagttggttg   120

anaactatca ttacttgaag gcagatattt atacacgact aataatccaa gagtgaatat   180

agcttgcagc ttcgtagagt cccctttgaac tgagaagaat atgagcatgg cacgtatgaa   240

cagatccaca cagagacgca tgatgcatat tacagtgtct attaacctcc catcgttgcc   300

tgcggggaag ccacgaactc gatacacaaa cagagtattg tacttgtcaa ccacatatct   360

atacccaaaa taaatggcac caacaggaac cacaatggga ttaaatgaac agtatactag   420

agtcagggct aatattgtca aattaaaggc gtaatactgt gc   462

<210>   29985
<211>   411
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29985

agctntggcg gtcnttggga ttttctcaag ccccaaccca tcaatgccta agacaaatcc   60

ttttgggggt tcatttaata atgtagcaaa caaagttacc aagctctaca gttacattct   120

ctgttcctag tggagagttg tttaaaacca gcattctta atttctcaag cccncagtca   180

tcttcaccaa cccagacaac aatttcaggt gcattctctg gtggcttcaa tgctgtggca   240

gctgttcccg cacaagctcc aggtgggttt gggcagccag cacanattgg atcagggcaa   300

caggttcttg ggtcagttct cggtggttnt ggacaatcaa gacagcttgg tagtggtttt   360

gctgctccta gtggtttcgg tggtggattt gctggcggta gttctcccag t   411

<210>   29986
<211>   451
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29986

```
tgtcactttt gggaggattg taccaaacca tcaccccag atcaatcttg actgatctaa   60

aaccccattt atgctagtgt acttttattc agtcactttg gaaataattt atagaaatac  120

tgtgccatat atttttgaaa caaacattat aataaactac ccacatactg actntaaaca  180

agtacttatc atttagttaa ttcatcctaa atacatggat atgtccaaaa tcctacttga  240

agcaccaatc tgacattata aacaatggcc gccatctaac actagcattc acttgtgact  300

ctagatattt ccagcaagtt cattgttcaa aatcttaatt aattgcgaga ttctgcccta  360

ttttgcatag ataaaaagta atataataca gattattntt tacttanaca agtagacatc  420

taggatttgc aatanagata gagcaactaa c                                 451
```

<210>   29987
<211>   427
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29987

```
agctttcagg tttanactna cctaagcaca gtcttagaaa ccttacatag gctccgtcct   60

tgaaagcaag ctttctaaga catttctaag acagtgcata cgtaagcact gtccttgaaa  120

gcaagctttc taagacgatg cttacgtagg cacagtcttg gaaagcaaac attctaagac  180

ggtggttacg taagcatgtc ttagaaagct tactttctga dacggtacct acaaattacc  240

gacttcgaaa gttggctatt ttccaagacg atgtgttctt actcgtcgtt gaaaggtaac  300

actttcaatg gtgttagctt ctacgacggt cgacaatcgt ctttgtatat taatttggac  360

cgtcgtagaa aaaccatttt tcagtagtgg tttaaggaag ggtgaaactt aattccaact  420

cattcac                                                            427
```

<210>   29988
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29988

```
tctactgagc acaaataaaa acaaagcaaa atttattttc aatcctacaa aaagaaccat   60

aaattgggga aaatatatac atttttgtaaa agttttctat acaaaagtta gtcgtataag  120
```

acgactaaca acatccatca aatgaaaatt caaaaaccaa aaggaataaa caaatcaagc 180

atgtcagagc aaatttatta ttatattcaa caagatcgta aacattggag agtaccgtta 240

gtggtggtag tccaccggag tgggcagcag gggaataaag tgtccttcgc ttgtcatcat 300

gcgttaggtc tcatcttcgt gcaatcaatt ntgatttcaa cttgaatgtg aacaagcgcg 360

tttatgtgtg tagtggtgag tgagagggga agtggaacat gtgagtttct ttntatttaa 420

gtggaaaata ttctaagacg gttatatggg aaccatctc   459

<210>   29989
<211>   193
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29989

tccttacgca tctgtgcggt atttcacacc gcatatggtg cactctcagt acaatctgct 60

ctgatgccgc atagttaagc cagccccgac acccgccaac acccgctgac gcgaacccct 120

tgcgggcgat gagaatatga ccantggtgt tgatgcacta ttacatgccc ctttgactta 180

tgacttgatc gcg   193

<210>   29990
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29990

cgtaatccta tgaagctgtg cacaatcnga cgacntcagc tcggacccgg gatcctcaga 60

gtcacctgcg gcatgttgct ncatatttcg catataanga acataaagct tgggatcgat 120

cgggcccccg gtaaaggagg ccatggaatg gctcaatttg gtatgggacc aatgaaactt 180

ttttgattta agtcataaaa tgatgccaag gtctgttgat ccgctgaaac ttatgacatg 240

gctgatcaca agaattataa atgaagctac cctggattca aaagaatcca agagttgcat 300

gaagacacat caagtccctc tatacaatgc tttggcattt cacgactctg tcaatagttt 360

ctttgaatgg caggtaacct gnggttattc tatttattaa ataaatataa ttaattaaat 420

<210>   29991
<211>   445
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29991

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tggtttatga attgattnta gccttagttt cactttggtt attattcaat ntgattaaga    60

aagaanatcc caaagaaaaa tgtccgattg gatttttttt attattttat ttaaagatat   120

tttttttgatt attatattat tattttgcct ctttttggtt ttaaacatgg ttacagcatg   180

aaagatcggc cagattntat tctaacagaa attaaaagac gttaaaactc aagtgatcag   240

tggaaattta ttttattttt tgattaggcg agaaagtgac ttaaatatat gactaaagca   300

caccanaagg tggtacagaa agcaaatgat atanaaataa aagcacgcga aacaagtggg   360

gaccactaag ggtacataga atgaattgaa tggttcgatt tcggaaactt accggttgaa   420

gaccaaacaa cgacgaagaa cgatg                                          445
```

<210>   29992
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29992

```
tcgcttacca attgtggaag tgaagctctt ccatgccttt ctagcaggtg gaaggcttag    60

ccttagcctt aggcttatgc aggatttcat tgataggagg agagagcaat gcttcaaatc   120

agaagaggag gatttaatag gtgggttaaa gttaaactca agttcaaatg gaaacttggg   180

tccttaattt ataacatggt agcatgggtt agattccctt ttttgcagtg tcatgttgcg   240

gaatagtata ttactgtatt catatatggt ggttttgctg tgaggggtgg cttagttatt   300

acgcgctcaa tattttttga caagacgagc atanagctgc agtaggtaaa atctgccaaa   360

ttctccagca ccaacgacct agcttgctta attattaagc tgacattaa                409
```

<210>   29993
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400> 29993

```
caattatcta cattatccac attcctagct ttctttatcc acatctacaa aatagtcctt   60

agatttccct ctctctttct tttgtataac tgtgtcatat cttagatctc ctttcacttc  120

cttcaaacaa caaaatcatg ggtctgagag acattggtgc ttcactgcct cctgtgtttc  180

ggttttatcc gagtgatgag gaattggtct gccattacct ctacaaaaag atcgcaaatg  240

aggaagttct gaagggtacc ttggtcgata ttgacctcca catatgcgaa ccttggcaac  300

ttccaggtaa atatatattc attctaaatt atatatatat atatatatat atatatat   360

atatatatat atatatatat atatatatat atatattctt ataagctatt ctgaattata  420

caccttccta tagcttgatc tctgtggttn                                   450
```

<210>   29994
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29994

```
tgtaggatta tggggtaccc atcacatgtg gtactaggtg gcggtcgggc gatggtgcac   60

aacaagcttt ccacatccac aatgcgcgca taaacccacc atccctgtt gcccacctcc   120

aacggagctc acgtactccc acgtagccca tatcctcgtt tctctcaaca ccgggtcccc  180

atcaatcctc tcaagcttcc acaacatcca agcaaaacaa cattcaaaca gcacaagcta  240

tcacagccaa gcaaaacaga gcaaaggcag aaaactctgc tcaacacatc aaccaaaatc  300

acagcttttc tcatgtaaag accacagtaa caattccttc gatccaattc gttaaccgtt  360

ggatcgactc caaaatttta ctggaagtct atagtgtata agcctacatt ntgaccgttg  420

ggatatacta gcanacatcc agaacgcatt                                   450
```

<210>   29995
<211>   304
<212>   DNA
<213>   Glycine max

<400>   29995

```
tcttgaacga accccttaaa tgcaaagcca accatctctg tccccatcca ttcatttctg   60

ccgccgaaca ggtgatctgg atcttgacct ccttcccctg cataaaaggg ttacagtaaa  120
```

12509

```
taaacaacgc accattgtaa cataaatatg aagcctgaca aattcacctg tgcagcttaa    180

tcttatatga tgatggaagt ttgtctgaaa aacataaatc ttaatcttga aaaactctgg    240

caacaaacct ggaagaatca agagaagtat atggagaatg cctgcgctga gaatgcttgc    300

tatg                                                                 304


<210>      29996
<211>      413
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      29996

taggattaaa gttcagaaac ttaagagccc aacaagcttt atgctctagc tctatgggta     60

ggtgacaatt ttatcaaaca caagtctata aggagacata ccaatgagag ttttaaatgt    120

tgtcctataa gcccaaagtg catcatctag tttaattgcc caatctttcc tagatgcact    180

aactgttttt tcaagaatta tttttaactc gctattggac aattctattt ggccactagt    240

ttgtgggtga tatggggttg caagcttttg agtcacccat atttagccaa gaggccatca    300

tacaacttat tacagaagtc agtgcctttg tcactaatga tngctcgagg tgtgctaaat    360

ctggtgaann atattttctt tgaaactttt ttaccaccag agaatcatta atg           413


<210>      29997
<211>      395
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      29997

tttgcatgca gcttatctat tctctttnat aaaaagaggg gaaataagaa aagtgacatg     60

ggatgaaatt cttttatatt tccatgtttg taatacttcc tttccaatgg aaacgtcgga    120

aatccaactt atgaagagaa agggtggtct gtagaactgt cattatgcat atcatggtag    180

ttacttatga taatttgagt gatgcaagtc gtcttttatg tatattgata gaatacaaac    240

tctattgatg agaatggaag agtatagcag tcaggacaag acatcctcga acagtagata    300

gaagaacaaa ctatagaata caatagaaga tataccagag attgacatat gtacattcaa    360

accatctaga agtaatgctc tttgaagagg acaga                               395
```

<210>   29998
<211>   440
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29998

tattgtcatt tttcttttat tntcttctct cataagtatt tatggagaga tttatccaaa   60

caaaaatacc atgaagaaca taaaattagt cagcttaacc tcaaaagtac aaagaaggtt   120

aagtcaattc ataaactatc attatgttgt aacacttaca atttggaatt catctaattt   180

gcctcctgaa caagattgga aaatgaaagt agcacaaaca gtaacgaata ggtcttgcta   240

ctatagtgga gagaggaaat tctgatggtc ccacaaatat aacaagatat aaatattaga   300

taaattactt gttccttaat ttatttactg tgataacaat tgaggttggg tgcatgagca   360

atggaagaga aggaactaat aatttcttaa ttatatttgg agcaaaatct attaaataaa   420

aatggacatc aaaagtaaat   440

<210>   29999
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   29999

agcttagtcc tcgtccacca gngacctgaa ttgaatataa gaacatcaga atcaatccac   60

tcgtggctaa tatcatcaat cttgtccaat ctcagtgcag tcttcaccct ttggggagca   120

tgtctaggca cagaaccagg cctcaccagg aacactgatc gataaaaatc gattctaaca   180

tcaaaagtac taaacctcac acctaanaac cttatctgtt ttgtgatctt gttgcctttg   240

atttcataga cactcttctt atcctcaact cctgtcatta gcaaacatat catggactcc   300

cattgcgtcc tactcaaaga atcgccgacg aanaccaccc ttttcccacg aagtcgttcg   360

agtattccac ggacatcaaa ccttggaatc tcacagttc   399

<210>   30000
<211>   442
<212>   DNA
<213>   Glycine max

<400>	30000

tcttccataa accataattc cctcctctgc atcctgcaca cattcttgcc gacttttttt	60

caaactcata tatatgttgg gaaatcacac aattgccccc gtccctcagc tagctagctg	120

gatttgttaa tgtagtgcta gctgaattta accaagattg tgaattagca ataataagtt	180

aataactcat caaatctcta tcaacttacc ctatatacat aaacgtctct gttttttaaa	240

cttttaaaat aactccaagt caattcatat tctttagact ttagtggtca cactcacaca	300

ctaccaatat aaataatttt acaatctttt gaaataaata atataaaaat catataggta	360

gtatatgatc tattcattta ttntttcttt atcatactta taaagaagcc atgcatcaca	420

nagtaacccc atggaagtgg cg	442

<210>	30001
<211>	101
<212>	DNA
<213>	Glycine max

<400>	30001

agcttggcca gtagaangaa gactcgacac tatgtagtgt gggtttgaac cgggaatggc	60

tgcccattgg agaagaatga aatcaatgag gagttatgat g	101

<210>	30002
<211>	448
<212>	DNA
<213>	Glycine max

<400>	30002

acgggtcatt ntgaccagag ctccaaagat ccataatcag cagaaaattc tgaaaggaga	60

aattacaaaa attgaagata aaagctggga aaatcaagag taagatattt ttaaaggata	120

aatcagctca agaagaacat aattacttga attaattaga aatgctattt atttttaatt	180

tcttgtgact atctccttaa ttaaatctat ctacaattct aaaaataggg ggttagacat	240

tcgttgtaac ggtgtaaaag tccctatcaa ttcttagaat tatattttag aattgcacct	300

actacatgtc tccattattc cattagacac tctagatttc attgtattat ttttataagt	360

```
gcaattcctt ccacctagga ggagaaatga tgaacctttt ttcgctgtaa ttctatcaat    420

tcaatacttc atcttaagtt ctttattt                                       448


<210>        30003
<211>        411
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        30003

agctngnatc gttganaang cctcttggca attctcagca gagaaatgga ttttgtcaga     60

ttgagacgaa acagttatgg ggaaatcagg tagctgcacc ttgaagtgtt ctccctcgat    120

ccttgacaca aaggacatta ctgacccaac ccaggaaatg gggaatactc atccctgtgt    180

ctggacttag tcgtagacta ctaataaata gctttcagcg gaaagtttct tttgatgaat    240

aattggaacg ttataattct ctgaaatctg ttatattgga ccagagtgga caaaatggca    300

ttgtatgaca gtcacttcct gagacaacaa cctncanaga gaaagttggt tctggatatc    360

ctataaagtc acttcctcct tcacctacac ttgaacatat gaaaatatcc t            411


<210>        30004
<211>        453
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        30004

tcaccttgaa gctaattgaa ataagctaan aaaagtcata actttaaaat aagctcttac     60

aaacacctca tatattcaaa acgagaagaa ctgtggaatt aaacatcatc cactctatgt    120

cagactggta attccgtaat tgctgcaaat actaagttat tcctctagca tccattgtcg    180

atttcaagat tttcctatca tagtgatcac attatctgat tgtagttatc attggtacac    240

tntaacctca taacaaagtc aatcaataag agtcgatttc aatttgcaga tcagaaaagc    300

tacccctcaa attaggttat tgacttaagc agctgaatgc ataatcaaaa ggaatttgta    360

gaaactaaag caaaatatat agatggataa tagaaaaagg aaaaggctgc acatctcaat    420

tccttaccga ttcaccactg agattcatgt aag                                 453


<210>        30005
```

<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30005

gagcttggct ggagntgagg tacgtgtctc tttgaaattg aagcgtctgc aattgccata   60

tctgcgatga cataatggcc atccaaactg ccgcaaaact atatatcaga tgttgaatca   120

tgcataagat atttcagcat gtctactata tatactatta tgagcattac aagagcaact   180

gaatgcatca cgcgtgcata tatacgtgtt caataacgtg tacgcctaac tggcgaagat   240

acatataggg cacttggcaa ctgaatcatg atgatacgag tacctcagac aaaacactcc   300

tcaacaggaa tatgaattca cagtgtcaat aatgctgttg gtcatcgaga taactcctct   360

tccctctccg ctctttcgtc cacgatatat attatcaaaa ggctaatatc attgat   416

<210> 30006
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30006

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cttgtggtaa ctttgatgga tgagagtctt gtgagacaaa cttcaaagtt caacttctct   120

ccctcttttc ttccttcaat gtcgtgctct gccgtctctc tttcttttct tccattgaag   180

caccttctcc aagcttctta tccaaggcat tctcttggtg gcgaagctcc ttcttccatg   240

gcttattccc tagtggatgg cgcctctgct cacctcttct cctttatctt ccgctgcatc   300

tccatggtag aaaataacca ttgaaggacc tcaatgaagc tcaaagatcc agcctccata   360

gaagctctac aagtaag   377

<210> 30007
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30007

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ctgacggagg agctggagtg gatgatgaag ggatgtcttt tgctctagcc cttttttcttg 120

atgacatctg taactaaaaa gaactcaaaa ttccttagac caaattaacg atgggcgctt 180

agcgggatac aactcgctca gtgcgccctc agaaatataa catatcggct tagcgaaaca 240

gcatgtgctt tagcctaatc aacgctgcaa cagatatgcg ctaagctcag cagggttgcg 300

cttagcggca gcatgaaatt cagaaaattc actaagtatg ggggcttagc gagcaaggct 360

cgtttagccc aatggctgcc acaatgaaat gagcttagcc cagataggct cggcttagcg 420

catagctntc aacaaaaaat tggactaagt tacc   454

<210>   30008
<211>   396
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30008

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atcgaagctt gatgacgaga ggccagagag tgtttcttct ctctgccccg ctctctatga 120

tggcaacgaa gagtcacgat acaagacaaa gtaagataga gggttgtcaa agcttatcca 180

gttataacgt gccacgttag catacaaatt ggaaaacaca ggttttcaaa gacggttttt 240

taaaaccgct ctcgtgaagc atattttaag ccgggtgtaa agtacccgtc tttacaaagc 300

tataattatg cacaaaaatg tcaccgctnt atatactaca tcggttgtcg tataaccgac 360

gtataaacag tgacgtagaa aatctctttt ctagta   396

<210>   30009
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30009

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ttccctaata gatggtgtct catctcacct tttctccttt atcttacgtt acaacttcat 120

ggctgaaaat caccattgaa ggacctcact gaagctcaaa gattcagcct ccatagaatc 180

ttctcaagca agcttccatc aaaaagtact gaacacaact tgctatgttc aaaacagaat 240

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attgataaga ccattgataa aaaaaactcc ttatgaacta tagagtggaa gaagacctaa    300

tatttcatac tttcatcgat ttggatgtga gtattttata ctgaacacta gatatcaact    360

tgcaaagttt ggttcanagg tggataaaat aatcttcctc gaatgctcta acacatctaa    420

agcatacaaa gtgtttaact caagaacttt                                      450
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<210>   30010
<211>   376
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30010

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tagtatatat catttcatat gcatcatgca tcatcatgta ggagtaagaa gaaagtttct    120

aaagttagaa aatttattca gtagttcgaa ctctgtgttt taattgatta cgcaagtgtt    180

tgaagcttgc atagaagtgt ctcatattgg tttaatcgat tacatgctta tagtaatcga    240

ttacacaatt cgctatgaga caatgattga ttttntcaga agtctttgct ttaattgatt    300

accacgtgat ataatagatt acttctctct taataagtgt ttcagaagcg atcaagaaca    360

ctgtaatcaa ttacat                                                     376
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<210>   30011
<211>   450
<212>   DNA
<213>   Glycine max

<400>   30011

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tcgcattgct ttcttcataa gaaatcaaca gatctactgc aagatgaacg agattgtcca     60

gtatcaataa ctggagcccg tctaacaaca acataaggta gtgactccac ctcaatggac    120

gaagtataac cacatttata ctccattagt tgcatacaag gctttaaccc caggtgccac    180

agtagattgg atactccctt atcgacaaga ccagtgtatc ccaacctggt gaagatggat    240

cttcatttga tgcctagtgg taccccaaga accactcgtt cattgtctat gccagtagag    300

ctaaagtaaa agaaaattat cccttcaagt gatcccttta ccaagactcc aagatttact    360

tcacctacaa caaccatcaa aatggacctt tccgaggaga atcccactcc taaagtccaa    420
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tggtccaagg aggtgcatat ttgtacacct   450

<210>   30012
<211>   482
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30012

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ctgagtcgaa ccgcaggcat gcttggcacn gaggtcaatg tcttatccgn ggangccatt   120

cttagaagct attaaatggt ttcaggcttg agaattaact ttggccagaa ccactttggg   180

gccattggcc catctgaaaa atggtggtgg gccgctgctg aatatcttaa attggccatg   240

cctcaattcc ccttttggta cctaggggtg cctataagca ttaatctgag aaaaatatgg   300

tgtgggagcc tatcattaaa acggtcgagg ctaagttgaa caagtggaat caaggaacat   360

ctctatggct ggaagaatca cccttatcaa tgctgtttaa cagcacttcc cttgtttact   420

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gg   482

<210>   30013
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30013

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taatgtaata gggtggtaaa acaggttgaa ttcatcaaac caacccacat aatcctccaa   120

aaaatggcag agtatattag gtgattaaat tcatcatccc accttgtata agttgtcaac   180

ttaaggagtt ggaggctaaa gaactaactt gctcagtgtt atcaagacta taccgatcat   240

gattcggtca gggaactagg ttgatgggtc agtggttgaa ctgaacgtgg tcgctagcc   300

gaactggtat atattaaata tttaaattct atagtaaata tatcatatat aaattacttt   360

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gcttaagtcc ctaaaccaag tggtccaag   449

<210> 30014
<211> 367
<212> DNA
<213> Glycine max

<400> 30014

catcatacca cctccaggtg ctggaactac ttcacatgtt tcttgatggg gcctatgcca   60

attaagagcc ttggatgaaa gaggtatgcc tatgtcttcc acaacagagt cacacttaga 120

agacggactc ctacctctcc gtattaaatc atgaaaggga agaagccaac tgtcaagctc 180

tttcacatct ttgagaagtc cctgttacac tttggcgaat caagatctaa tgaaaaagat 240

ggatcccaac agtgaagctg gactattcct gggatactct acctacagca gagcatatag 300

agtatacaat tccataacca tagcagcgat ggaatccatc aatgtggttg ctgatgatct 360

gtctcca   367

<210> 30015
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30015

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atgacaatca ccgggtcaat aaacgaagag gacaacactg tttaccttaa agaccggata 120

tctgacataa tgggtatgca caatttcatc ccacattttg caagaatctt acaataaatt 180

atttcatgga tcaaaccacg tagttatgtg ccggtcaatc tccacatgat gcataattaa 240

gctatttaga ttacggagaa gagctgataa aaattgatta ctgatcacct c   291

<210> 30016
<211> 445
<212> DNA
<213> Glycine max

<400> 30016

taatggcctc attagtctca gtcttaggtc caacagcttg aggtggaacc ttccaactga   60

cctactttcc cttccttccc tgcgctttgt atatctccaa cacaacaact tctcaggtgt 120

tattcctgat tctctgccac cacggcttat ctttcttgat ttgtcccata actctttac   180

12518

aggacaaatt ccagcctcaa tccaaaactt gacacatctg ataggattta acctccaaaa   240

caactctctc acaggaccta ttcctgatgt taaccttcct agccttaagg atttggattt   300

gagcttcaac tacttgaatg gatctattcc ttcaggtctc cataagtttc ctgcctcctc   360

atttagaggg aatttgatgt tatgtggagc acctttgaaa caatgttctt cagtttcccc   420

taataccaca ttgtctccac caaca   445

<210>   30017
<211>   310
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30017

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gtttccctta tcttgttttg aagctcacta caagccttaa gtgagaaacc atgatatcac   120

catatcctta aggaatattg gagctgtgga attgttatgg gaataagagt ggagggtttt   180

tgtttcattg gacaacttgt tatgatggct atgctacatg atgtattttg tgccatactt   240

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gctatagagt   310

<210>   30018
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30018

tgtagaatgg ctagacatga tacatgtcan ggtttggttt ggttcaagga taaaagggat   60

gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaatt ttatgcaaaa   120

ctggtcatgc atgcacctat gtggacgctc aagtgtcaaa cttttatggt catgtgatgc   180

tagggctcaa gattcatttc ctctatttta aatcaaccca atgtttccaa aatatgttct   240

tttatcaatt tgtgcattca tccgagtcca tttcgggcgt ctgggaaaat ttcacagcgt   300

tcacccttcg ggtgtacaca cacatttttt tcaaaactag ctatgatcag cgaattttc   360

ttcaaagaaa agatggaagt catctctttt caaaagcatg ttggcttgtc agctatacta   420

cttattattt   430

<210>   30019
<211>   424
<212>   DNA
<213>   Glycine max

<400>   30019

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tagagcaaac ttgcggtctc gacagatcga agttgaagat gcaacatgcc cattctgcag 120

agaggtggat gaaagcgcat gtcatctatt ctttcattgt cacaagataa ctccagtctg 180

gtgggaatcc ttgtactgtg tagatctttc cggtgccttg ccaaatcacc caaggcatca 240

ctttcttcaa tacatacaca gagtaacaga ggaaatgacg tctaccacat ggaaatggtg 300

gtggttggca ctgacatgga ccatttggaa tcaaacatat aacattatct tctccaatgg 360

tacattcaat gccatcgaga tactagatga tgcagctttc ttactatgga tgtggctaac 420

taac   424

<210>   30020
<211>   390
<212>   DNA
<213>   Glycine max

<400>   30020

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gtggtaccta gagatatgtc gcggggggtca ggagaccttg gggacgtcag gtggtgtgct 120

attgcccaaa accaagcttg atcaatcctg acccaactcg ggcatagtca gtcagtgaga 180

acctgtgacg tacctaaaca ggcaagctcc tgacagtcaa ccaataaaag aacaaagacc 240

acaaagcaag gaggcttgtg tggtggctgg ccagctatgg atcttgagtg gtatctggaa 300

tttggcctct ggtaatcgat taccaagggt gtgtaatcga ttacaaggct taaaaatgaa 360

gacaggaagt taagatggcc tctggtaatc   390

<210>   30021
<211>   439
<212>   DNA
<213>   Glycine max

<400>   30021

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tccatatgct ggaaaatcgt taatagtaca aaacaccatg gcgcgtaacc tgaacatctg   120

ttgcacattt gcatcccacg catctaccct ttcttcccac aattttttca aatcttcaat   180

taacggacta agatacacat caatatcatt ctcgggttgc cttggacccg cgatcatcat   240

acacaggata atgtattttt gcaaaataca caaccagggg ggaggttgta aatcatcagt   300

aaaacaggcc acaaactgtg gttgttgctt aagctgccat aaggattcat tccatcagaa   360

gcaagagcaa gccttaagtt ccttggctcg tccccaaact ctggatacaa atgatcaatt   420

gtcttccact gtggagaat   439

<210>   30022
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30022

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atggatggtg cctcctctca cctcttttcc tttgtcttcc gctgcatctc catggtggaa   120

aatcaccatt aaaggacccc attgaagctc anagatccag cctccataga atccctcttt   180

gtaaacaacc aaaatttctc aattgattat ttttccttgt ttggtgattg ttgcaattct   240

cttagtgtag tactagttga atgaaatagt gtgttaatct ctcctctcca tttctctagt   300

ttttattttc gacttgaatc ctttacgaac cctattctac aagttgttga actatattcc   360

aaatttctac cttttgcaac tatggaacan taaaatatta aa   402

<210>   30023
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30023

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gctcacctcc ttgagatgag aagctagagc ttaactacac acaactccta taatagctaa   120

attcatccca tgccaaaata catgaaaata caaaaaaatt tctagtacaa ggactactca 180

aaatgtcctg aaatacaagg ctaaaatcct atactattag aatgaccaaa atacaaggct 240

caaaagaaga aaaaatctat tctaatattt acaaagaaga gtggacccaa cattgaccca 300

tgagctcaaa aatctatcct gaggttcatg agaaccccag agccttcttt agcagctcta 360

acccaatcat cttggagtct tctgtccaat aaccttggga gaaaggattg catcaacttc 420

tccctcgagc gttnttggat ctaattatgg tgtaagagt 459

<210>   30024
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30024

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tgccttatat tctggcaaaa aaggtacata tgttgacaaa acatatgtan gaatacaagt   120

gggaagggaa gtctcttttg tgtaagaatg aaaaagtgag caccatatga gtgaggataa   180

aaatcataaa ctngagtttt aaaggtttaa gttaaagtgt gaccgtcaat tttcttatgt   240

ggntgttcat agcttatagg taaaatctcc cctgtgattt atccccttca tngcataata   300

attagtataa gagtagatga tntaacttgg tgatcgactc agacgagtaa gatagtaacg   360

gaggatccta gtcctangga tcccttgtac canaagtctt tctggcgatg ggt   413

<210>   30025
<211>   461
<212>   DNA
<213>   Glycine max

<400>   30025

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catcaaaact tcttgaatca acttgattca tcatcatgaa gcttgcttct acacttaacc   180

cccaagacca aaaccaact agcctgagag gctaggaaaa aagagccacc agtccctcta   240

aaagagcccc catatccttt agttccatca aagaagaata aggagcacta cttcaagtgt   300

ttattggaga tattcaaggg gttggagata accatgccat ttggggaagc cttacagcag   360

atgctgctct acaccaaatt catgaaggac atcttcacca agaaggggaa gtacattgac   420

agtgaaagca ttgtggtggg aggcaactgc aatgcagtga t   461

<210>   30026
<211>   364
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30026

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gatagagcaa gaaatgaata gccaatggtt gatacatgga cggagatgag aaagatcatg   120

aggaagcggg atgtgccggc tagatactgc aaggacttga aattcactct ccgaaatcta   180

acaccatgca acaaggaggt tgaggagtat ttcaaggaaa tggatgtgct gatgattcaa   240

gcaaatattg actaagatga cgaggcaact atggctcgac ttattaatgg tttgactaat   300

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gcaa   364

<210>   30027
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30027

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ttgggtgttg agaagtcaaa ttttgattcg gtggaatttt acgtgtaaat ccagtttgag   120

caagtttaga ttgatgttat ggacttgtgt gaggagagag tttgcttcaa atttacctca   180

ttctaaattt cacttctcaa gcctagaaaa tccattaaat tgaggggttt tggacaccta   240

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ctgcactctg tgcagattat tgctgtgaaa ttgtgcagca taatcttgca tgagtgcata   420

caaatgcttg tgtgtgat   438

12523

<210> 30028
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30028

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atggtataaa agtgtgccat cttgctaatc caccaccata nagatagagt ctacacctct   120

ttgggttcta tgaagcccaa tgacaaagtc catactaatg tctacccaag gtgcanatgg   180

aatgggtaag ggtgtgtata gcccatgagg catcacccta gacttggctc gtaaacaagc   240

cccactccta gtgcaatgct tatggacatc tttcttcata tggngccaat aaaacttctc   300

tttgagtaag acaagggtct tgtctatc                                      328
```

<210> 30029
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30029

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aagatctatt ggaaaagtat attgaaaagc aaatcaaagc cttgctttta tagactcttc   120

atgtctggcc aagaggacca tttagaagag ttataacttt tagaaaaact taaaaccaat   180

ttgaaaaagt caaaaaccat ttgaagagtt acatcttttg atttatttag aaacaatcac   240

tggtaatcga ttaccaaatc agtgtaatcg attacacaaa gcttttatgt gaaaggatga   300

gactcttcac atttgaattt gaatttcaac gttcaaaggc actggtaatc gattaccaaa   360

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aaaatagtgt gtgcatgcta tntcattat                                     449
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<210> 30030
<211> 446
<212> DNA
<213> Glycine max

<400> 30030

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atttaaccaa caactttgtg caagaaatcc ctacacacac acacacacat attaataata   120

aattgaaacc aacttaatta aaacaattta aaacattctt tttaaaatac aagcctttca   180

aaggggaaag gctccattac cttttaacat cataataaaa cttgtacaaa taaataataa   240

attcacttcg gctcataaca aggcggtcta aaacttgata caatcaacat agaacctata   300

ccctaatgtc acatcctatc ctatcagagc attgtattcc cgtgtgctct agcatcaggt   360

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tgatccgaac acagattata cactgt   446

<210>   30031
<211>   331
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30031

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gaatgagtaa tattgataga agaggaggag atatgagata ctacctgcgt actttacaac   120

aaaggccaac atgggtaaag cttattggat atatggcggg aaacatatag cagacaacag   180

cacgaataag gagttcagcc agaccatagc tatatagata aaaatctcaa aggaatatac   240

caagtggtat ctacccaacc catgcaaagg aaccacgtgt ccagtgatta gcctaacgaa   300

ggtatcactc ttggataagc aacgagtgat c   331

<210>   30032
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30032

ngccagctgg tagtccatgg acatgccctg aagacgaagt gttttacaat gcttcaatca   60

tttggggagt agtgggacca cagagaatgt ttaccaagga tgggatttac cctgngatga   120

attggttttt cctgattggc ctacttgctc ctgttccagt gtggctgctt gctcgcanat   180

tcccaaacca taagtggatt gagctcatca atatgccctt aatcattgct ggtggtggtg   240

gcatcccacc agccagatcc gtcaactaca taacttgcgg atttgtggga atcttcttca 300

atttctacgt ttacagcaag ttcaaggcat ggtgggctag acacacttac atcctctcag 360

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atggtgtttt tggtccaata tg 442

<210>   30033
<211>   394
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30033

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cctttgctac tcataaaaat ataaagttat ttcaaatgga cgttaaaagt gctttcttaa 120

atggctttat tgaagaggaa atatatgtca aacaacctct tgggtttgaa gatcatactc 180

ttccagacca tgctttcaaa cttaaaaaag ctntgtatgg tctaaaacag gaaccacatn 240

gctggtgtga cagactgagt tcatttctct tagaaatggt tntattaaag tcaaagtgga 300

tacaactctt tctaaatgag aaagtggcan agatttcatt atagttcaaa tntatgttga 360

tgatagtatn tttgaagcta ctaatgaatc tctt 394

<210>   30034
<211>   451
<212>   DNA
<213>   Glycine max

<400>   30034

tgaatgaata taagacacat cttcttcaat cttggtgatt cttgactcca tctaatggaa 60

gtgcatgtcc acttgtaatt ccaaagtgtc aaacctttca ccaacaaagg tttgaagacc 120

atcaaacctg tccaaaatct ttgaaagaag agatgaatct tctccatcat gtccttcttc 180

accaatatgt cgagcaccct ttttcaacca agagccatca tgctcttttt gataaccaaa 240

ggatgcaatg actgaagcgc ctataaggaa ggatctcttg attggaacat agggttcaga 300

atcaagaggg atgttaaagt gttgaaggaa aagagtgact agatgaggat atggcaaagg 360

agcattcaat cgcaatgcct tatgcctgcg atatctaaca agaagtgccc aatcaatttg 420

tagaccttta tgataggccc acataacaat g 451

<210>   30035
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30035

tttgctaata acttataaca aatcaacgnt atatccttgt caccgaaaat attttatatt   60

ttttctcgt atccacattt actcgagatt atttcttatt ttcatatttt ctaatatttt   120

caaagaatgt gccactcata aagtaacatt ccaaattaga gataggcatt catctacttt   180

ctatgggaac attagtaaaa cacatganat tatntactat gtgtttaaat tgtgccgttt   240

ggcatgacat gaacaaggtt cttcatatca cgtaaaaagt agataaataa aagtaaacaa   300

ataagtatgg catatcccat tagtctaaaa gcaaggttaa tatattcaaa ggtttatatc   360

ccattatttc atatgttcac at   382

<210>   30036
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30036

tggttcgagg tacttacccg ttgaagatcg aagaacgatg aagaacgaat gaagaacgtc   60

gaagaacggt tgaaaccttt gcgaaattct tcacagaaaa cgttacggaa acgtttcgga   120

agcgcctcgg cttagatttt cttcacggaa acgattttc caagcaaatt cgaaagagag   180

agaagtgcca aaggggctga acattttctt cttcacttcc tcccctattt atagcaaaat   240

aggggaggtg gttgccgccc agctcgccca ggcgagccag gttgcttcct ccagaagcaa   300

cagccttctg gaggaatatt ctagagggcc caagtgggcc tgggtgctat ttccaccccc   360

attttttacta agtacacccc cctctgctnt tttggtgatt ctttntccgt anagtcacgg   420

aaacttacga attccgtaac gatact   446

<210>   30037
<211>   509
<212>   DNA
<213>   Glycine max

12527

<223>   unsure at all n locations
<400>   30037

aaaagttggg ccttgttgan cctgagngct tttcggagat acanggcgaa gttgagcacg   60

ggacccgtgg atactacaga gccgaccttc ttgcatgcga gctttgacat tggctaggan   120

gcagatgagg catacaacga aactctgcgt atgagagtta aacaagagtg aatcataagt   180

acgcatgcca actgagtaat gatgaaaatg agaatcgaga tgctgaagat gatgttggat   240

tggaagtatc aactgtggac ttggaacgta cagtgagatg aatggctctt actctatgga   300

gttagtatat gtcaaggact ggacaaaggc taattttcat gaccgaaata accctgtgaa   360

acatgatgtt ctatctatat actgtttaat acgaacacag tgtgtgctat agatgtgata   420

tcgatgcaaa gatgtgctag cttctattaa tgtgacaact tcttatagct acccatgcta   480

tgataatatc atatacggat aataacgtg   509

<210>   30038
<211>   428
<212>   DNA
<213>   Glycine max

<400>   30038

tatgaggtcg gttatatatt ccttctttca ccctatttga ggtctctttt tcctttcata   60

agagaaaaat tgtaaatttt tagtctctca tttatatata taacacaatt tcatacaaga   120

gaaattaaaa agacattgat ttatttctga aggattggaa gctaacattg tcttgtacta   180

aaactatatt tgacaccttt tattgcatga tcgctttctc taatatagaa tctaagttag   240

tgtattggtt tagtgcaggt tctgagtgat ccccagaaga gagcaatcta tgatgaatac   300

ggagaagaag ggcttaaagg gcaagtgcca cctccagatg ccggtggcca tacattcttc   360

caaactggag atgtgccaac aacgttcagg ttcaatccaa gaaacgcaga tgacatcttt   420

gctgagtt   428

<210>   30039
<211>   133
<212>   DNA
<213>   Glycine max

<400>   30039

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ttcgagcgtc tccatatatt atgcgcctta atcggaagat cgagtgaaat tgtttgacca    60

tttgaatgct ccacagcctt ctatggtcaa attcgagcat cttgaatttt atgcacctta   120

atcggacctc cca                                                       133


<210>    30040
<211>    398
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30040

ttgaaaagtg ttgtttntca ccttctcgct acgcctttct actggcttag cgagcatccg    60

ctaagcgcaa cactcatggg cttagtgcaa ggaagactct cgacgaagat gagttgcaca   120

ggttcgcaaa gcgcactgtt tcatctcact aagcacaccg cttcagtcca tacgctaagc   180

gagaaaggca tgtgctaagc caaaattcac taatgtgcgc ttagcggtcc attattgtgc   240

taagcgcatg agcactatca aggctaccta tataagccat aaatcatgat ttgtgaacgg   300

agtttgggct gtgattcaga gctttagatg gttagagatg ttatagagag aaagtctcag   360

ttctagagag ttttgagaga ttttgttggt gatgatct                           398


<210>    30041
<211>    408
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30041

agcttgtttg ttacaatgac attgactggg ctagagatga agatgatcag aaaagtacta    60

gtggatatat gttttcatg ggaaatacaa ccttcacttg gatgtcaaaa aagtagtcga   120

tatatagtca ttctttttgac ttgtaagcca aaatacctag cagttgcttc atgcatttgt   180

catgcaatat ggctcaagaa tttgttaaaa gagttgggca tgtcacaaga agagttacca   240

agatctttgt cgataattaa taagtcagtc attgctctag caaagaatcc aatgttccat   300

gatcgaagca nacatattga tacccgttac cactacataa aggagagcac aacaagaaag   360

gatgtacatg cangatatgt gaagtctcaa gaccaagtag ttgacatc                408


<210>    30042
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<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30042

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gggacgaggg caacccaaca ctatggctac attgcacacg agggaacgcc ttaacgtccc   60

cgccaccact aggggaagaa tcatggtgac cagaacaagt tcccaaactg gagaagtagt  120

ggaaggttgc accctcccgc ggaggtgaga agtgcctcca ccagcacgac acaagaccgt  180

cacactcttt gaggaagcgg acttgctatc gaaagcccca tggcgagtct cctccganga  240

ggaaccgccg atggagacga cccttagagt cactatc                           277
```

<210> 30043
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30043

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agcccggttt atgcttcatc cccnaatttg nnanngacgg ngcgnngnnn aagctatatt   60

acaannanaa ntaanatgnn tttccgaagn gggacataat tgggcgaagg ttgcctgttt  120

ttttctctct gccccggcgc cacatgccac atgcagggat ggtgggatca gtatttgaga  180

gattactatt aggagctgaa tttgagagac atgtgccagg aaaaagaggg agaaggataa  240

agataaacgg atagaaacct tataatgaat aaagtctaag aaatgttaca agtttgaatg  300

tgaccgtcta atgggtatga taaaaatctc aaaagttcga atgtgattgt ctaatggcga  360

tgatattcat attttctact aaaaaatctc atanaattta tcagaattta tttaaaaaaa  420

cattaaaatt gaaaactttt gatatcaaga gactttttata aatataaaaa tctaattaat  480
```

<210> 30044
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30044

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agcttctcgt ttatgagaac aaatntcaat atcattcatc ataattggct cccaccaatt   60

tttcagattc aagtttacca cagaatgaca atgaagacat actgttaatt aataacacat  120
```

```
ccaaagcggc gacatattat cttgcaacca cttaagctta aagtagacct actattgttc   180

tcctttggca gaacaacacc canatattgt tcatacattt cctcccaatc ataataagtt   240

gcaccagtaa ttggcctatc gtccaccctt aaaccaagct gtagtgttac atcctctagt   300

gtaattatac attatccaac aagaaaatga taagtgtgcg tctctggtca acaagtgcag   360

gcactagatg atgatcaatc ttgaagtgtc ataattttgt cacat               405


<210>      30045
<211>      306
<212>      DNA
<213>      Glycine max

<400>      30045

agataaatag taaaaaagtg ttttaaaaca ttgagtagca caagaatttt tcacaaaatc    60

ttttaccaaa gagttctact ctctggtaat cgattaccag aaggtagtaa tcgattacca   120

atagccaaca ttgttttttaa aactgattta caaagttgta atcgattacc atgagcatgt   180

aatcgattac caatatttta aagcgttaga tatcaaatgt cagaagtcac agatagtgat   240

agaacatttt caaaacagtt taaacttgtg taagcgatta cacaatactt gtaatcgaat   300

accagt                                                             306


<210>      30046
<211>      403
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30046

agctttcata tttgaaaaaa aaatactaac ttttggctct tggaattttt cttctggctt    60

tctaagatat gaactggtaa gttgttctaa ataataaagg atatggtctc agattatttt   120

gcgcagttga aattcttgca tactatccag ttgcaatctt gttagcaagt agcaactaca   180

atgacactta tanacgatgg aaaaatctat ntgactactg ntgtgcatcc ccttctaaag   240

aattgtctgt gcctgtcttt ttgtcctgct tgtaagctgg acanaatgag gaatattctg   300

aattcattat ggatctactt cgtaagtcct taactgactn nttacttatt tctttgctgc   360

agggagatca attgcaagtg acagtaaata aattaacatc aac                   403
```

<210> 30047
<211> 426
<212> DNA
<213> Glycine max

<400> 30047

aggaacggcg gataagaata gagagagaga ttatgtttct gggaagtgac tttattctag   60

tagccgcgtg acatgagcct tcgcattcgc ccagaataca ggaacaaact tggaatgggc   120

accaggcgca accacgtaag cccaattctg ttcaaacaat ctagttccgg gtgttactag   180

gagcacccag aattttttc tggggcaccc aaaaacatag tggaagaata aaacaatgag   240

taaatagacg ttataaataa atagtattgc tatatataaa actaatcccg tgtttaagaa   300

cgcctcaaga atttcgagcg aacctagcca gcaaaagttg atggaatttg gactcaaaag   360

aatggcggtg caattctaga ctatagttgc ttttggcaaa actaacgcta aacaatctat   420

tggtga   426

<210> 30048
<211> 55
<212> DNA
<213> Glycine max

<400> 30048

agctttttc atcttatcat tatcaaacag atggtcagac tgaacgaacc attca   55

<210> 30049
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30049

tatcatgatc tggaaaagta aaacaatgtc agttatatag tttagataat catgattata   60

tcagtaattt cattgcctcc aatatcatat aaagcattta gtataatata taacaatata   120

tggtaacata tgagagttaa aagcttacaa acatacgctt acaaggtcat ttcatatatc   180

acaaaattga agataacatt caatggttca tcatcaaatg ttgcatcata ttaatataca   240

cattttgaat aggcaacact tgcctctcag tcaaaatgca ttttcagcaa ttggatgtta   300

tctctaaaaa agttaagatt gtatcagact tagtagcaca ttcagcagca tgacaaaaga   360

12532

cacaggataa ataatgcacc atangatcaa taccaaactg gaagagataa cttctcagtt   420

ttaaaggtga acactattat aat   443

<210>   30050
<211>   408
<212>   DNA
<213>   Glycine max

<400>   30050

agttagtaat gagtggaact tgatttatgg tttagctcaa tttgacttaa aagaatgact   60

tagttcaaag cttgttacaa gtttaatatc aacttttatt ttttatttga attcagtttg   120

atttaaactt gtgagtaatt caatttagct cttttgttgg attggtttaa aactataatt   180

attttaattc ttttatttat ttatttattt tgtgaaataa aattaattaa caaactaatt   240

atgtcaattt actattttat atcaatttag tcatattaac acatgtaaaa ttagaggatg   300

aaattcaggg agaaatgaca ctggctattg gcgtgaagtg ggcgaaacag ccgaaaacct   360

gaactgggac atttttgcac cacaactagt acttaagtag tctttctg   408

<210>   30051
<211>   404
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30051

agtctttatt tttatttctt gacnatcttt aatgagctgg tgtaacagaa aatgataaaa   60

taatcatgta aggtccgttt tatacacaca tacatctagc gaattctaat ttacatgtag   120

cggtttctcg acaaaatgca gatatgcttc tgataattgt tttggggtgc attgacaccc   180

atcaaaatgg gacaacaatt gattggtctg tcaaccatgc gcaatcaatt tattatcaga   240

taggttgcaa cgcattgatt ttgaatcctt gatcgttacc acacacgtgc cctatatgag   300

caactatcgt agagaccaag aactctttcc ttgaaataag ttccctcttt cctttctgta   360

gtgctttgct tgatcttcca ctcacggtga taaaaatctg actc   404

<210>   30052
<211>   419
<212>   DNA

<213> Glycine max

<223>   unsure at all n locations
<400>   30052

gaccgctntc agttttatac ctagtaaatc catagatang tttatcaaac cagtatacaa   60

atggggacag aaaatgaaaa aaggtaagtg agctcaaact caaagaatgc ataatatatc   120

atttcaaaat cagaaccact gaaccaccaa acattataaa agaatttgcc agatcaaaca   180

tctagaatgg gtagacctta caagaacaat tagacgagaa gaaagtttca tgcagaatta   240

atgtacaaaa tgcaaaaaca aaagacaagc cttcaaaacc tatggtcaga gacactacgc   300

ttattggatg ttattcatga acttcagtat ttgttattag aatcatatag tttcaggagt   360

cttattaata tgctatgtta tcattgttat gtagcagaat tgtacaagac ctatcatat   419

<210>   30053
<211>   367
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30053

ttactcggaa ttggtaacta cattttttaa gctcgaagtt ttactgaatt ttgtagacat   60

ttggaccaca attataaaaa aagaaccaag cgaattggat taaagaaaaa aactaaaaaa   120

atcacacaag ttggatgaaa aatcagtgtc caggaaaata aaagtgaaaa ggaagtgtgc   180

ttgttggttt aactcaaaac tttttctata attggtgcct actttatacc actcctagtt   240

ctgaaacttc aattgaaaat aattatgaaa acaagtgcca aaaatagagg tttcttgagt   300

ctttttttcg tttctcttta ttaagntttc tactctactc tatagccttt ctaggtttgt   360

ctttgag   367

<210>   30054
<211>   427
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30054

ctaattatat cctataaant tgctatcact tactacttac atacattcga agtacaccat   60

acaaattttt gttgtttcac tcctatttat ttatatgcat attggaaagc taattacatc   120

ctgcacatat ttgcattcaa aaagggcatt ccacactatc atacattcat ttaagaaaac 180

aattactcat actttgctag gaatttcatg ctccttatat ttacctatgt atacacacta 240

ttgcaaggtg ttttccacgc tacctctatg taaagtatca aacatggggc agcccaaatt 300

cgagcaaaaa ctctcacaag caaatcctaa ttttcatgtt tttctaattc taaaaccaaa 360

ttntggattc ctagccataa gcatgtttcc ttgcattgaa gctacaagtt tgggttccta 420

agcttgg 427

<210>   30055
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30055

gtcatgcgat ttatatacat gaaattgatt agactattat tttattcgac cggnaaaata 60

tcatggacat tgaaaacatg gcccacaaag tcacctccat gaaaagttta aagaatttaa 120

ctaattccta taactaatat attttaagag taaattaaat cataaatctg caaattaaaa 180

taaaaaactc aaaaaaagaa aacaactatt aaaaaaatac aatacataaa tatagaatta 240

aaaaaataaa ttcataaaac aaaaaaatgg cacattgaga aattggtttg cgacatattg 300

tgtagcaaaa aaaattaaag ctggacagtg agaaatcgga ttaggggcac cggattttca 360

ttggcaataa tgatttgtat cacttttgat agataatttg gaacttgtat tatttgt 417

<210>   30056
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30056

tgtatttctt gaggaaatac tgtaatactt aattgggtgc acctacatgt aacaacatca 60

ctttccccgt caacaaacat gatcaaatca acaactatta tttctacaca ttagggtgaa 120

aaagcactca atattttgc tataacataa caaagtgtt acaacaagag taaagtgatt 180

ccaacttcaa cttttttttt tcacttccct catttcattt gggtgcctaa ggtatctagc 240

ctagagtcag aaactaattt ctcaagacac aaagatcgat tcaagggagc tgaactcacc 300

caacatanaa acataagaga ctcaatcact tcctaatttc catccnctaa taaaacatga   360

tttgtggaac aagtgagtta aaataactaa nagaattgaa aagcacctgc atgttgact   419

<210>   30057
<211>   276
<212>   DNA
<213>   Glycine max

<400>   30057

tgaacagatt tgataggagc tagggagttt accctctgat tcatataaaa aaaaaagaca   60

tcacatcatg cttacccgtt taataggcat ggaatagaca agtctctaag ttaacacggg   120

aagtgcgagg catgaagcgc caatcgcgag ggacaagtaa cccataacca tgaactgaac   180

atgaagaagc ctcctaagtt aaaaataaag cgcaagacgg tgggataaat tgggattagt   240

acagcgttgt aggccaaaat aaaacgaaaa gcggaa   276

<210>   30058
<211>   406
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30058

ctgctactta tatatcgaga cgatcaaaat tgaacaacgg aagctctcgt gaaattaaaa   60

tggtcataag tttaactcg gatgtccgat tcaggagctt cacatatcga gatgcacgaa   120

attgaacaat ggaagctcta gagaaattct aatggtcata aattttcaca cggaggtcct   180

attcaggcgc ttaatatatc cagacgctcg aaattgaaca atggaagctc tcgagatatt   240

caaatggtca taacttttca ctcggatgtc cgattcaggt gtatcacata tccagacgct   300

cggaatngat tagcggaagc tctagagaaa ttcacatggt cataactttt cacacggatg   360

tcctattcaa gcgcttaata tatcgagacg ctcgaaattt gacaac   406

<210>   30059
<211>   389
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30059

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acaagtttct tcacaaataa ctatcatgtt gtctgtttac tagcaagact acccatcata      60

tctcccaaaa ccccataccc acgaaattta agagagaaag aagtccaccc aaacctgaat     120

tttcgaagtc ccactcgtag ccacgcactt cacgaccccg aaaatgccct cctttcgcga     180

tttggggcag aaatgatgga caaaggttga agctttgctt ggagcttcaa tggagaatga     240

agaagaagaa aatggcaacg tgagggagag agagagctgt ctganaaagt gtggtgctga     300

gtgaagagag agaacagctc tctgggttta aataaaaggg tttctctttt ctattatttt     360

attaagcatt gcacatgtct catttgagt                                       389
```

<210>   30060
<211>   343
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30060

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tagctttgtt tactttattn ttggtaagag ctttacata ttatatacta agatatctgg       60

ttgaatcttc catttcttat ctatggtctt gaacacttac gaagtctacc agtggtatgc     120

taatcatgtg tatgcaattg actagatgaa actagaagga atttggtaga ttggcctaaa     180

cgatttaaca ttatttgtgg cattgctcga ggacttcttt atctncatga agattctaga     240

atgaggattg tacatagaga tctgaaaacc tagcacattt tactagatga aaatttcaat     300

ccanaaatat cagactttgg cttagcacga gcattcttgg gag                       343
```

<210>   30061
<211>   419
<212>   DNA
<213>   Glycine max

<400>   30061

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aaagtctcac gattgtcacg tgctcatgca ttatttgtta gtcgtggcta tacgagacat       60

cttgcgaaac aaagtcaggt tagcgataac tcgcttgtgc tttttcttcc atgctatatg     120

tagcaaagtc cttgatctag tcaagtttga tgagttggaa aatgaggccg caattatact     180

gtgccagttg gagatgtatt tccccccccg ctttctttga catcatgatt cacttgatta     240

tgcatctggt cagagaaatc aaatgttgtg gtcctgttta tctacggtgg atgtacccag     300
```

```
ttgagcgata catgaagatc ttacaagggt atacaaagaa tctatatcgt ccagaagcat      360

ctattgttga gaggtacatt gcagaagaag ccacttgaat tttgtcataa tacttacag       419


<210>       30062
<211>       399
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       30062

agcttatatt cctattgtcc tatagaggca tttcattcct tctggagagt ccactagctc       60

tatgatagtt gtcacacctc tgaacatatt cataagcatc cttgtgcaag gtaagccaat      120

aaaaactaga ttgaaggacc ttggcagtag tcctctctcc atcgtaattg ccttcacaat      180

gtgaactatg gcaatgccac aatatgcttc ttgcctcccc ctaagttaca catcttctca      240

agagattatc tgctccaatt ttataaagat tgggatcccc ccacacaaaa tatttagtgt      300

ccttgacaaa cttctttttt tggaccaagt gagatcatca ngaaatgcac caattgcttt      360

gacactagtc atctcagcag accatggcct tctacaatg                             399


<210>       30063
<211>       433
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       30063

tggtcttcgc cagtgaaagg atcaatgtgg ttcttattta tgcaaatang atcatcctac       60

tatgacgact gagaaaactg gggcaaataa agagggtgag gatgaggcac aaacccatgc      120

tgtgactacc attcctgtac ggccaagttt cccaccaacc caacaatatc tttactcagc      180

caataacaaa ctttctcctt acccaccacc cagttatcca caaaggtcat ccctaaatat      240

accacaaagt atgtctaccg cacttccaat gacgaacacc acctttatca caaaccagaa      300

tacaccaacc aagaagcgaa ctttgcagcg agaaagcctg gaggaatcac cccaattcca      360

gtgtcctatg ctgacttgct cccatatcta cttgataatt caatggtagc cataacccta      420

tccaacgtta tca                                                         433


<210>       30064
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<211>   251
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30064

atggttaata atctgcataa aggtgtgaat gtgtgtggta tgtttggttt agttcaattc   60

ttggtgcatg gatngagatc ccacattgac tatagatatg gctaaagtag aaattataaa   120

ggctggggaa atcctcacct catgaagcta gctttggagt ttgagtcaag cttatctcan   180

attcaagatg gtatcagagc ctatcataaa ttcgatattg ggccaccctc aactgtccaa   240

aaatctacat g   251

<210>   30065
<211>   431
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30065

aacctcgtgt aggcgcttca cgcncgccat gcgctttttt cgcgtncttt gcgcgcgcga   60

gctcgagcgc ttcctccatc ggatctggcg cggccgggtg cagatctggt ttaactgtca   120

ccggattcac caccgcataa cggcgccggg aagttgcgaa atgcaaatgt aaatgcgaat   180

gcgggattta aaaggagtga gagggaggtt cagtggagtg tagtgagaga gagagattgt   240

gaatttagtt agcggaggcg tcaaaatgag gggagaggtt gcggtacgag agagaaagag   300

aatgatgacg cggaaatgaa atgaaatgga aaatgatttg aaaactatgt tttatgctat   360

ggggctgccg tgcttgaaaa ttaaccacta ttagtattga gtgatagttt gttgggttgg   420

gttgctttta a   431

<210>   30066
<211>   478
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30066

cgggccggtt cctatgccat gaatatctag gcaattcagc tcgtacccgg ggatctctaa   60

agtcaacctg anggcttgca gctttttac attattgtga gagtggttga cagaaatcaa   120

```
aagcttattt tggaggcccc ttttttaaaa aataaaacat ttaaaattga aaatgatggg    180

ataaaataaa aatggtttgg cactggaagt aaacgtggag aatgggtatt ggattactga    240

tttggccctt taaattttaa aaatctgaat cagcttaact caagaaaaat ggtggtgggt    300

ttgcctcaga tcaagccttc tagtgaagat gtgatggttg ttacagtgta agcatcaaga    360

gcactttcaa acaaatgacc aatcaggcaa aagagaactt gaatgattac tctgtgtgtg    420

tgccctatgc gactgatctc tggtggaaca gatctcatat ctttatgatg attgacan     478
```

<210>   30067
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30067

```
ctacaagaga agatacaaat tctaagaaat tctttaattg tgtgatgaga atatgttata     60

ccatgaactt attttctaaa atttttgcaa ttggtataat tgaagccttg cttgattcct    120

gttttتcttt ttctttتctc atttatgttt tgcgaaggca ttttttتctc atttattatt    180

ttctgtcatt gcattgagat cgtaggcata gattcaatct tttcctctaa gtacacacat    240

tctaaaacag atttttaatc aactgatgag aacaggttat accatgcatc attattgtta    300

gaattcatgg ttcagttcaa gatagaagag agaattgaga aaaaaaaaat tatatgtata    360

ttaatattct taaatgagta cccaacaagt atataccana gattccctat gagatgatga    420

ttgaaaagaa gtctag                                                   436
```

<210>   30068
<211>   117
<212>   DNA
<213>   Glycine max

<400>   30068

```
tgattctgat ataataatga aaacttgaat agtgatgatg attcttgtac cacccccagct    60

tttactagga aatcctccaa agtcatttcc tcaagtgttt gcttgctttt gagcagt      117
```

<210>   30069
<211>   444
<212>   DNA
```

<213>      Glycine max

<223>      unsure at all n locations
<400>      30069

aatagatttta gttagtcact ctacttgcaa aagagagatt ttctagcttt ctaggaactt    60

agacgttgat gaactttgtt taagataaat tgaaaagtat tcctagaagc tatcttatga   120

aagatagaca ctccaaggta ctttccaaga tccttagtcc aagcaatacc catttctcca   180

cttagttgat ccttgacttg agtctccaca tttttggaaa agaacattca agatttctcc   240

aagctaattt tctgcttaga actcttgcaa aataaattca aaatattctt gatagaatgg   300

acctgctcca ctaaagcctt cataaataaa ataaggtcgt atgcaaaggc taagtgagat   360

ataagtggac catgtctaaa aagacgaata gggcaccaca ctctntggtc cacaacaaca   420

gagatcaatt gaaacatatg ttca                                         444


<210>      30070
<211>      407
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30070

agctttgatt tacacagagg gtttcaggga caaagcttcg atttacatat tgaatttcat    60

ccaattttttt gacaagtcat tgttacttcc atgaatattg atattgtatc atgcttaatt   120

atatgcattt gattattctg atcattgtgt gttgtgtgat tatttcttcc atgcaggtac   180

atgattccta tttgttgtga gagtgaaatg atgggcagca tcaccaactg aggtgagttt   240

atatttcctt tttttttgtct ttatctttgt tagttcgtta tatagttttt attttatatg   300

tttgagttct acatgtgtaa aaaatagaaa tagacaggtc tggtgattgc ttangaattc   360

cttgttgttt catggcattc cttntgaacc tcanaaggtg cttatga                 407


<210>      30071
<211>      426
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30071

gctgcaccat tgacagatnt acttagtaaa gaagcattct tgttgtctcc agaggcagag    60

```
acaacatttg ttcaattgca gaaagtcatg acttcagctc cagtgttagc tcttcctaat    120

ttccagctgc ccttcattct ggaaactaat gcttccgaca ctggtattgg agtagtatta    180

catcagaatg gccatccaat agcatttttt tccaagaaac ttgcacctag agtgcaaaag    240

aaatctgact aatttagaga gatgttagca attgttgaag ctatagctaa gttcagacac    300

tacttgctgg gacacaaatt tattatcaaa actgatcaca attagtcaga tgatgatgtt    360

gatggatgga acaaccgcta cagacacctg aacaacaaca gtggttacac aggttttttgg   420

gatatg                                                          .     426
```

```
<210>      30072
<211>      382
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30072

agtcttttg aaaagattcc taaagaagct agagcttagc tacacacacc tctctaatag     60

ctaagctcat ctncttgaga tgagaagctg aacttagct acacacccc tataatagct       120

aagctcaccc ccatgacaaa atacatgaaa atacaaagaa nagtccctac tacaaagact    180

actcaaaatg cctcgaaata caaggctaaa accctatact actggaatgg ccaaaataca    240

aggcctaaac gaaggaaaaa tacctattct aatatttaca aagataagcg ggctcatact    300

tagcccaggg gctcanaatc taccctaagg ctcatgagaa ccctanggcc ttcccttgga    360

tctctggccc aatctacctg ga                                             382
```

```
<210>    .   30073
<211>      446
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30073

gggctganaa tatataacaa caccaaggat ctacttttat ctctcctctn tcgttttttag    60

ttgtaggctt ctcttcttct tttagacact cttagccaga agtagcaaga aaaaaatatt    120

tgttttgtaa tcaaagtttt gattagtgga tgtggaagta atgctttcca agattatttt    180

gatgatgcca aaaactcaag tcaagaatca agagtcaagc aagtttcaag aatcaaagag    240
```

```
tcgttcaatc aaagcaagtt tcaagaatca tagagtcgtt caatcaagat tcaagattca    300

agattgaagt aaagaatcaa gagaagactc aattaagata agtattaaaa gagttttca     360

aaatattgaa tagcacaatt ttgttcaaga gaatctttca aagaacaatc ttttacaaag    420

agttgtactc tctgataatc gattac                                        446


<210>        30074
<211>        387
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        30074

agcttgtatc attngactta tatgctctag cttgagcgag tgttggaatt agtagttaaa     60

tgcctttcag atacaggtac actattcttg tacctagaat ataccgtgca tgtactaagg    120

aactaaaatc atcattaatc tccttataaa cacaaaacag tgtatataaa tactagatca    180

gctgaataac tcattcaagc tattagaaaa gtcattctcg taatccctaa naattcctca    240

tgtaataaca ttcaaccttc caacaaatgc atatggagga tttcacattc tcaattcatt    300

gatcttcatt caagtgctac taaatctcaa aatatantaa atntatgtct ttggtgcatc    360

tatcattgct taatcanggg gttatgc                                       387


<210>        30075
<211>        447
<212>        DNA
<213>        Glycine max

<400>        30075

caagatgagc ggtcatcctt gcagcccata attcgttctt ctcaccatca aaaattggtg     60

gtgaacctgt tgtgtatgat gtttctccct ccattgattt ctctcaactc acagatccct    120

taaagataag agctctgata ccaatttgtt gtttttggtt aataacggta agcagaaata    180

ttaaagaatg aaagggagcg taaagaaaga aattgagact acaaaggctt gttttattct    240

gatatgaagc aacgtattta aaaacatgaa aggatagtaa cggctaacaa aaagataaca    300

ccactaacag atcatgccta gaaaatagga tcaaaactaa tttatcctat cagtcaacat    360

gactgttatt tttccttaaa aatagcacaa gaatcttatc tactatagtt tgttagacag    420
```

tttcaacagt cacatcttaa taaatta   447

<210>   30076
<211>   326
<212>   DNA
<213>   Glycine max

<400>   30076

gtggtaatca gagcacaaga gcttcaagta ggtgcttctt aaaccctcat taattttttt   60

ttccttacct tctcttccat tgttgtttct tcatttttct ccacgtatct cctcacatgt   120

cttgttctaa atgttgttaa catgaatctt tatagtttcc accgattaaa cttgctatag   180

aaactaaatt tgattttcta tggttcatat ctcttggtct tggtcttgaa ccatgaattg   240

tgttgagttt atgttccttt gagctttgtc ttgttatttt tggtggctga aacctaaacc   300

ataaaattct tacaaaaata ttaaag   326

<210>   30077
<211>   434
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30077

ttagaggana ctcaatcacc taaatcatct gcagcatttc tgtgttaaga gaatccgaag   60

taggtgcatc agaagctcat atcatggctg aagatcaacc acgaacggtt actcttgaag   120

attattctag ctcgatcgtg ccacaattct tcacaagcat tgcgcggccg gaagttcagg   180

ctcacgtcat cacatatcct caatccttga ttcagctgat tcaaggagat ttatttcatg   240

gattgccaaa tgaagaccct tacacacact tggctactta tattgaaatc tgcaacacag   300

taaagattgt cggtgtgcca gaagatgcag tgaagctcag tttgttctca ttttctttgg   360

ctggagaagc taagaggtgg ctacactcat ttaagggana caatttgaag acttgngatg   420

aggttgtaga gaag   434

<210>   30078
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400> 30078

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tagctgctaa actaaaatca attgagggaa cctcccccag tattcccatt gaaaaacctt    60

tatatcaacc tttcaaagtt agtgaaaagg ctaaacgaaa aaattaggga cctataaaaa   120

actaattctt aattgaaggg cgacgtgata accatagtga aatacttaac aagattgata   180

gtttacttaa aggcatttca gatactcccc aagcctcgga aaatactttc aaaatggtaa   240

caagaagtac cctccaatta attaatggtt ataatgaaga tagtgaccac agctcagaat   300

acacacactg agataggatc agtgtcagaa aagaatatan atccantaaa ttccaacacc   360

tgagaacacc cctccaaata tattatcaac n                                  391
```

<210>   30079
<211>   436
<212>   DNA
<213>   Glycine max

<400>   30079

```
atccaagtaa ttcttgtggg tgaagctcct tcttcttgtt ctattcccta gtggatggtg    60

cgtcccctct cctcttctcc tttgccttcc gctgcatctc catggtgaaa aatcaccatt   120

gaaggacctc attggagctc aaagatccag cctccataga atcttcacaa gcaagtttcc   180

atcaagtggt aatcagagca caagagctac aagtaggtgc tccttatacc tccattaatt   240

tttttgcttt accttctctt ccattgttgt ttctccatgt atctcctcac atgtcttgtg   300

ataaatgttt ttaacatgat tctttagagt ttccaccgat taaacttgct atataagcta   360

gatttgattt tctatggttc acatttcttg ttcttggtct tgaaccatga attgtgatga   420

gtataagttc ctttga                                                   436
```

<210>   30080
<211>   346
<212>   DNA
<213>   Glycine max

<400>   30080

```
tatcttgtca ttgtctacgc cgaagacgaa ggatgacgat gtacctttct ggaaggatgg    60

tgaacaacga cccctaagaa gataaagctt gctgggaggt tgctgcgtgc acgggacacc   120

atagacttca ccgaagaaaa cgttctttga aactgaagaa gaagagaatg ttgtttttatt   180
```

agatatatta actttattt tatgaatgaa gggtattcta tgaagctcat tctattgctg   240

ggcgcaccat caattctgtt gggtgcacct agcaacagcc aggtgaattt cgcgcctatg   300

ttggcctcct ttcccttaac caatgagtgg tcctccaatt gagcat   346

<210>   30081
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30081

tcctagcggt ttctaattat atggacctat aaatctatat atgctgacaa tagacgagaa   60

gttcgtggat ctcctcgngg gggagtaggt gtccgccatc gctttggcct tggctagctc   120

ttcatcaatg gattcctttg catcttggaa gatgaatggc aatgtaatgg agacaggaag   180

agagagagga gacgccactt cagggagaag atgagtctag aagaagctca ccaccatagg   240

aggccatgga taagagcttg gaggaagaaa gagatgaatg aagggagaag gagagaagag   300

cacganattt tgtgctctaa atgagctctg aaatctgaag tttaatattc agatgatcaa   360

agttcaaaaa aatgcacaca tatgacctct atntataccc taagtgtcac accaaattgg   420

a   421

<210>   30082
<211>   410
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30082

tgcttatatt aacaaaattg ccttaatcat ttccaaatat gcatgtgaat taagatgcat   60

caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaaac acaccaaatg   120

attataatga tggatggctc acattctcac aaaggtaaaa tcatcacttt caaattgagc   180

tttcaaaact atcatgacat gtagagaaga atcaatgatt tcaagtcaca aaatgtcaag   240

aactttatt ttcaaaacaa ttacccattt cttgaacata tcctataatt caaagaaaaa   300

catgcaaagt cgtacgtgca cacaaaatng acccanaata ttaaactgaa gatccgacga   360

aactaacaac atttacagag ttacacaact aacanattaa caaaaccaac   410

<210> 30083
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30083

nttgaaatca aacttttcca ctggtaatcg attatattga ttatggtaat cgattactag   60

agaataaaaa ctctggtaac ttagaaaatt ttgagaaaaa cttttttgaa aaacaaaatt   120

gggctatgtt tgttttttga aaaatctttt caatacttcc cttgtgaagt attcttgatt   180

tcttctcttg aatcttgaat tcatcttctc ttgaatcttc ttgatttaat cttgatcttg   240

aacttgttga ctcaatcttg aaatcattct cttgggcttt ttgtcatcat caaaactact   300

tgaatcaact tgattcatca tcatgaagct tgcttctaca ccaaccacaa agtcaattac   360

agactaagcc ttgtcttgga tatttagatg cagaaccatc ctaattagaa tccactgcag   420

aacaata   427

<210> 30084
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30084

gatgccactc tacttcaaat tcttgaagga tatggtaacc agggaacata agtatattca   60

ccaagaaaac attataatgg aaggaaattg gagtcttggg attcaaaaga acctttcacc   120

ccaacctaaa gaccttggga gtataactat tcctttgtca attggagaag tcactatggg   180

aaaagctctt attgacctgn gagccagtat aaatttaatg gtgctctcca tgtgtaaaan   240

ggtgggaagc gtagagatca tgcccactaa aatgac   276

<210> 30085
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30085

cggagccnca tgaattgagt tttcgttatg cttctctacc ttcgagtttg gagccatgcg   60

tagtgattgc ttagtgcaat tctccattct caaccccttt ttcggagccc catgaattgc 120

gttttcgttc atgtgtcctc caccttcgag tttggagcta tgcgtagtga ttgcttagtg 180

caattctcca ttctccaccc tttttcggag cccatgaatt tcgttttcgt tcatgtgtcc 240

tccaccttcg tgtttggggc catgtgtagt gattgcttag tgcaattctc cattctcaac 300

ctttttcgga gccccatgaa tttcgttttc gttcatgtgt cctccaccat cgagtttgga 360

gctatgcgta gtgatggcct agtgtaattc tccattctca accttttcg gagctccatg 420

aattgcgttt tc 432

<210>   30086
<211>   369
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30086

agctttaagg ttttangacc ttaaattctc ttaaggtgcg gatgtggagc ccactgaaag 60

tgagaacacg tagccctcta aagtcggggg cgggtcaccc tttgaaagac gaaggcgtcc 120

agccctctaa aagcgagggt gtgtagccca ctaaaggaga gggtgtgcag ccctctgaag 180

gcgaggacgt gcaaccctct aaaggtgaag acgtgtagtc ctctgaaggt gagggcgtgt 240

ggccctctga aggcaaggac atgtaatcct ctgaaagcga gggcgtgcag ccctctaaag 300

gagagggtgt gcagcctcat gaaggcgaag atgtgcagcc ctctaaaggt gaggacgtgt 360

agtcctctg 369

<210>   30087
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30087

tatgcccgag tcattcatcc ctatgagatg ttgttgattt attggcgatc agaattgcca 60

ttgcttggat tacggngttg aaccaagctc atgctttttac aaaaaggttc atcaagtcaa 120

gttgaaatat ggaagtaacc gtcttgcaaa attggggcaa aagatgaatc gagtcacatc 180

actgcttcgt ttactgccaa acatatttag gattgtttat gtccttgtta cttccagttt 240

```
caccttgaca aagatgtcat ggaccatgtt gaaaatctaa attgattcaa ccncatatcc   300

tgcgtaaaca ttcgcaatac ttcaactgta catcattcgc atacatccat gcttttcatt   360

ggttgcattg ctcattgcat tctttccttg aagaataana tacaatacaa aatggactta   420

atcattgtta tc                                                        432


<210>      30088
<211>      387
<212>      DNA
<213>      Glycine max

<400>      30088

caagctttaa tttcctgaag ctccatggta tctatccact cattgaaacc agcacttgca    60

tgaacaccca catacccgtg agaggaacca attctttcat ccatactcct aatactgttg   120

aaagtcccca agaaacacca agcacccttta ggattagagg cttttaagtg cttcagttga   180

tcccaaagct ctctcttccc agctatgtca cacggggcat aaacatttac aatgtacaac   240

agcaagttat ccttagccca tctccctgcc aacatcagaa agtttgtgcc cttgaccctt   300

ctatcaacct cgaaggcaag gttattccac atgcaaagaa gaccaccagc agtgttaatt   360

gaagggacac tgtcccaaga cacacta                                       387


<210>      30089
<211>      431
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30089

cgagttcttn tcttagccct attctctgtn tgctnttgct tcttccttaa ggcattgttt    60

cttctacaag ttctttgaat ctcttgatcc aaagggacta gatcttctta agaaactcta   120

cctcatacat ggaacaaagc aactaaagaa catgttagca cagtactcaa gagtaatata   180

aaaacagaat ttaaaagcaa agaattgaag aataatgaat cattgcatag aatatgaaat   240

tagcataagt tgcctaatac gagaaacaag tccccgacaa tgatgccaga aaacttatta   300

catcattgac aaacgtacca attagtgtag tattttcaat agtaagtaga aagactgtct   360

cctcaaggac ttgtntgtac taagctttc tgtgtaactc aacaactaag caatgataat   420
```

ttcttctttt g   431

<210>   30090
<211>   381
<212>   DNA
<213>   Glycine max

<400>   30090

tttttttctt aggggaggcc cttatggtct ccaatggtgg catcttcgaa tcctgcctgc   60

tcttggcatt aatactggca cccaatccac catcatcaga ccaatctctt tcgctgtctg   120

acccaaaaac actctcactc tgactaaaac tacttggact tgctgggatt ccgggtttct   180

gcttgctact tgagcctggt tctaaagcat tttccaattt atcacgaagg tttaaaaact   240

tgtgcttctt cctttcgcg cgcaattcgc ttagtacggt ttcctttgaa gccgtctttc   300

agcatgtcta gccgaggaac gaaccttgac agaagaagga tgatgagatg aatctgcagt   360

agtagtatta gtagtagtag t   381

<210>   30091
<211>   445
<212>   DNA
<213>   Glycine max

<400>   30091

acgatatata ttctatcttt cttccttcct tatagacctt gtatatatgc tcataaacag   60

tgtacagggg tattttaagg ctactccact cgatcgagtt tatattcaca ccagccattt   120

ctattttcga tatcttctca gcacttcaga ataacaactt gcattttatt ttcttttgct   180

tttgaggcta aatcaggcct acggatatgc ttacagcgtg tagttctgcc atctatctat   240

cacaagagaa agagaagcgt tacactaagc tagtattaag tatttaattt aataataccg   300

tgaagggatt ccgaatttat tcattgaaag taaaacatac aaaacgggga cgatcacata   360

cagaggacca gttgaaagat gtttctagtc tagctctcaa cagacccaca ctggaaagat   420

gcttggtgtt tgctggcatc tttcg   445

<210>   30092
<211>   416
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30092

agcttgtant cattgtctcc acgccacatc tgtaaatgaa atttcccacc ctaaccaagg   60

agattgtgac catcaaggct gatcaaaagc aagcacaata atgctatgct gagagcctga   120

aggtaacacc ctatcctccc actagggagc ttgccaagcc tcaccctaca gcggttgaag   180

gtactcaagt catgaacaaa gggcttccaa tccgagcctt cattgtttac caaacaagcc   240

tggacgatga atttgatata gatttgtggg agaacacttc tgacagaggc caaaagccca   300

tcgaagagct tgtcaagctg catgtaagga cctcactagc cttgaacaca agcacatcat   360

tgatgtccta tacaagaaca tggacctgtt ctcttgcagc catctgacat gccgag   416

<210>   30093
<211>   417
<212>   DNA
<213>   Glycine max

<400>   30093

tccactatgg cgtagcccat agaatctatt tttacccagc tatcaaggaa tgttagatcc   60

attttcaatt cagttcccaa caaatcctca tcattctagt tgttgtacca atgacgacga   120

caacaacaac tattggagca tggaggatat ctggtcaatg caattagcca attactgaac   180

gggaattaaa cctataaaca taaatataaa taatatatat aaacctaagt gtctaagttc   240

cataaattaa gctgtagtct ctggcttaaa acatgttagg tttgtttata caagtagttg   300

gatgtttgga gtacttcggc cttttgcgta ccatcaatat ttaagaacta agttagttat   360

gctccgtaac ttatgggctc ttaataaact atatctgcac aaaattatat atatatc   417

<210>   30094
<211>   375
<212>   DNA
<213>   Glycine max

<400>   30094

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ggaaccaatt cacctgcaga agatctacgc atacaaacac taacaggaac agcagttaac   120

caattcaaga agaaaataaa ttctgaacta aacaaatatt aacaaaaaat aattaataaa   180

tcaaagaata atgaattaat gccttcaaac tgaactcaac tttccaaatg gaaaaagttc   240

12551

cccggcaacg gtgccaaaat acttgatgtt cgcccctaag aatactactt atttgtgtgg   300

gcgcagaatc taccggcgag tgcatcggat cgtcaagtaa ataattaaaa cgaaataagc   360

cgaatatcga acaca   375

<210>   30095
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30095

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agggatgggg acgtgcgaat tgaaggagat tanggagaaa agttaaactt tgaagtttgt   120

ctcacatgtt tctcattcat caaaattatg gcaagtgtta cacatgtttc tatttatagc   180

ctagcacagg ggaaacttcc taacttcctt gagaagcaag gaaggtagct tccttgggaa   240

gctagaggaa gatagcttcc tagagaaact aaaggagggc tacttacacc catccaatag   300

ctaagctcac ccccatgcca aaatacatga aaatacaatg ggaagcttcc ttgagaagca   360

acgaaggtag ctttcttggg aagcaacgaa gaaagctcta gaggagggga aggacta   417

<210>   30096
<211>   404
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30096

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agtatgacag tcaccgcttt aggagcgctg tacaccagca gcgcttcgag gccatcaagg   120

gatggtcgtt tctccgggag.cgacgcgtcc agctcaggga caacgagtat actgatttcc   180

aggaggagat agggcgccgg cggtggacat cactggttac ccccatggcc aagttcgatc   240

cagaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca   300

tgangtcctg ggtaaggggt cagtggatcc cgtttgatgt tgacgctatc ggccagctcc   360

tgggatatcc attggtgttg gaagagggcc aggagtgtga gtat   404

12552

<210>   30097
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30097

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tggatgaatg caagagtagt tttcgaaatc tgcacttat gcagaatttt gctgttgaaa   120

tgtgcaacag aattttgtat aagtgcagaa aaatgcttgt gtatggctgg ttgtgaaaag   180

ggtagtacat atcgggttct gaacatttgc tagcagatcc caacggtcaa aatgtagact   240

tatgtactag agactgccag taaaattttc gagtcgatcc aacggttaac gaattggaac   300

gaaggaaacg ttactggggt atttgtatgt gaaaagctgt gattntgagt tgtgtttttgg   360

gcagagtttt cttgcctttg cctgttttgc ttggttttgt gagtccatga tgattggatg   420

tgg   423

<210>   30098
<211>   377
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30098

ttagtaatga cccactaacc tagaattaaa ataacttaat gccattaacc ctaggaatta   60

aaaaaaactt aatggctgaa tgtaactgaa attgtggcaa ccaaaagtca cccccaatag   120

ccaacaagtc agccaccatt tggtctccca aaaggctgat gcctangttg ccaattgggc   180

ccttattaca acttgaacta aacctaacta aagcccttt agttgattaa cccaaaacat   240

attttggtc agccaacttt acaaggattg ggccattatt tagacagact aaacactcta   300

aaattgaaac aaagtggtgt catttaatcc tccttcattt gggccatgat acaactcaca   360

accttttgga ctttctc   377

<210>   30099
<211>   385
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400> 30099

gaataggaag tgttatgggc gaaacttcct gcngttattg ttgaccacag agtggtacct   60

ggagatatgt cgcaggggtc acgacacctt gaggacgtca ggtggggtgc tattgcccaa   120

aaccaagctt gaccaatccc gacccaaccc gggcatagtc ggtcagtgag aacctgcgat   180

gtacctaatc aggcgagctc ctgccagtca acagataata ggaaaactag accacaaagc   240

aaggaggctt gtggtggctg gccagctgtg aattttgtgt aatatgtgga ttgaggcctc   300

tggtaatcaa ttactaaggg tgggtaatcg attacaacgc ttattattga agacaggagg   360

ctaagatggt ctctggtaat cgatt   385

<210>   30100
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30100

agcttttcat aaaagccaaa ctaagcaata aagtacctcg tattttttccc tctgcctccg   60

gttgtcgtgc aatcccttct acagcttgcc ctgcagcagt gccttgacca accccaggtc   120

caatagaagc aagccctacg gccaacccag cagcaataac agaagcagca gaaataattg   180

gattcatgat aatttcctcg taacctaaat ataaaataaa gaaatagtta atgatataat   240

caaccaataa attatgactt aattnttcaa ttatcaagat ttattcggtt taaagtaatt   300

aataagaatt ccgaattgaa aataataata gttattgaac tctacgaatt acttcgagat   360

ttatttttttc gtctctacct acatacatna gttttttttg tgaatatgt   409

<210>   30101
<211>   410
<212>   DNA
<213>   Glycine max

<400>   30101

agctttattt agctaaaatt gaccttaaaa taaggggaaa aatcttttga tatatgaaat   60

aaacatgtca cttccaaagc cattcaagtt acataattaa ccttttttca aataataatg   120

ataataaata tctaatcatc atcaatgatt catgagcact taatatcaca tccaatctaa   180

aatcttagca cactaaatct tcatcgatga tagtgaacta tacaaataaa ctataagtga   240

```
cattaattct tggttgtttt ttctaagaat gtattttgtg aaaattaaat ttaacttttc    300

tcttcacaaa ctcaacgtgt gtatcaaatg atacacctat tagattgcac tgtaccagac    360

tagtttaatt ataaaaaaaa aaatcctcat ttttcttttt gtttggcttc               410
```

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<210>       30102
<211>       495
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       30102
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cgaccggcgn nttatacttt cgcttgactt acgtgatact tagacacccc accttgctgc     60

gatagagagt cttactgttt attgcatgcc tatatagctc tacaacataa ttaagagtcg    120

tactaaaaaa aaggtaaaat ctattaagag agtcttactg tttatgtcat aatttataac    180

ttttattacg aattgggata tatatatata tatatatata tatatatata tatatatata    240

tatatatata tatatatata tattttgcat gagtcataac ctcataggg  ctgattttat    300

tattgggatt atcattctat tttattttga aaattgtctc tttttctacc tcgcgcttaa    360

gagaatttct tatactatct acttctcttt acagcactta ttgcctcctt ttctatcata    420

actcttgata ataccactgc atcgctgtct aataatatac catgtctgtc atatagccct    480

tattctctcg agacg                                                     495
```

```
<210>       30103
<211>       295
<212>       DNA
<213>       Glycine max

<400>       30103
```

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tgggccaccc cccctgatat tggaaggcga ccaactgtgc cagcacaacc agaaagggaa    120

gctatcacgc agctactatg cataccgggg taagatttca cccatgccgc tgcaaagaga    180

cgagtgtgga tcatgtgtac cgacatgacc ccttttacac agatataaat gatgttgcta    240

cttagcaaca ttcttgccag cgaccgcaat accgatctcc ccctgcggaa gtatc         295
```

```
<210>       30104
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<211>   438
<212>   DNA
<213>   Glycine max

<400>   30104

cccttatccc atgcttcttt ggccgtcgat gcgttggata tcttctcaaa tgtatcttca   60

tccaccgagt gataaatgag aaagagagct ttcttgtctc tctttcttga ctacttcaac   120

gtctccttta caccttggct tagcgaggct tcatcttgct cctcgaagcc attctctacg   180

atatcccaca catcttgagc tcctagtagc gccttcatct tgatactcca attatcatag   240

ttgttctttg tgagcatcgg cattcggaaa ggaaaacctc cattcgccat cttttgagga   300

tcttgaagct ctgataccac tttggtggaa ataaggctct ttatgtctat gaaaagcgtt   360

taggaatatt ggagactctg aatagacact tgataggaag gagaattctt tatggaggag   420

agaactttgt acttttgc   438

<210>   30105
<211>   480
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30105

tgcccgtcgt tgagttgttg cagttcgcgc acctttgtca attaaccatc ctcctacacn   60

nngaaaatat gatgacatag ccgctctata gtatttatcc tcctaacaaa taaattcgag   120

ctggtggacc atcttctact aactctgact tacaacagta ttcctatccc tcatcccatt   180

cgcacctaaa gcatgtgcac acaaaaaaat ggaagaagtg gaaaaggaga tcttggagac   240

ctctacgaaa gtagaggcta acataccttt attggacgca ataatagaaa ttgccagata   300

tgctaaattc ttgaaggaat tgagcaatct catcggaact gataggaagt gaacgaatat   360

tatgagcaca aatgcttcgt atcattggaa agcagctccc aatccctgaa aatgtaaaaa   420

ccatgccatt atcatacctg attaagggac tatgtttgac agcccgctaa ttatgactcg   480

<210>   30106
<211>   290
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400> 30106

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gattccatgg atttaaaatg ccagttaaag gcctgctttt atagactctt catgtctggt   60

cagaaaacca ttaaaagaag tataactttt aaaaaaacct tgaaaccatt ggaatagtta  120

catcttttga tttttattca aaacttatca ctggtaatca attaccaaat cattgtaatt  180

gattacacaa agcatttttg tgaaaggatg tgactcttca cattttgaat taatttcaac  240

gttcaaacac actgggtatc gattaccana tcattgtaat ngattacacc             290
```

<210>   30107
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30107

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acgtttgcag atgctctcaa aatcaatccc aatgtattga gctgaatgta caaaaggatg   60

aggggtttgt gacaaggaat gggatgagtg ctacggaaat ggttgctggt ggttggctgt  120

gtggaaagga tggcaaggga aggggtggtt caacggatgg tatgggttgc aatggttgga  180

gctataatgg cagccacaga agctccattt agcgagtggt gtggatggtg gtagtggaag  240

ttggtatggt agccatggaa gacaaccatg agctctcaat gaaagcacca aatgctacaa  300

acgcaggaac aatggggaag aataacctag cttcgagggc taggaacctc cataagagag  360

aaaaataagg aaggaaaact tgtatctatt ttntgctgtc ctctattgca tactaagcat  420

cccttatat                                                          429
```

<210>   30108
<211>   360
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30108

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agccctttttc cttaactttc tagggactac tcacatgaat ttggactttt ggagtggctt   60

atagaccccc cacaaagaaa atagggaaag gtaacataaa atcccaaaat tagccacaat  120

tatcaattaa acccaaatat ttgcctaaga acaaaatgaa gtaaggtgag aaaataagag  180

ccaaaaagag gtgaaatatg ctaaggagaa tagaaaaata ttaaactaag aatgctcaat  240
```

caaatttccc cacactttat cttttgcact cctgggcaaa actaagagaa agactaagaa   300

aaagaaatca aactaaaggt aaaccacaac taanagaaag gaatgaacaa gacacacata   360

<210>   30109
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30109

tcgccattac atgggctgat ccactttgtc taatatcttc ctcattaaaa tttgtaactt   60

ttcttccttc gtgcacaata gcatgttcta gtcctagtct agaagctatg tgtttcactc   120

ccatgacgtc atcctctgag accagtttca tctatatatt tgcatcattt ttgacatttt   180

ccaaagctaa ttttatggat tgaagactag tagtgcattt gagacctatc aatcctaaca   240

agatcagttc ttcttgctga agttgttctc catctctttg tgtataagca aaagcaattg   300

gcttaaggtc agcatccccc atttgttgaa tcacctggcc aactttgaac ttcttatttt   360

ccatggcatg tgtggcgttt aaacaaatta gttttacaca tganattaan aataaaaaag   420

gaaccttcga gt   432

<210>   30110
<211>   420
<212>   DNA
<213>   Glycine max

<400>   30110

aatctacaga gatatcttcc tatacgactc ctaggtcctg aataagttgc agcaaccccg   60

cgggagacta cacctggtac ttgtcatgct gatcaacgtc acattggcgg atgtactcca   120

ttataatagc tctcattctc ttccaaaaga agctggatga caaccgctta tacgtcttcg   180

tgaattccga atggccacct gcaaccgtgt cgtgaaattc ggccatcaca gtaggttacg   240

caacatcaga cagcctttga agaataggac accatcgtgc agagtatagt gtggcagaga   300

atcagaatca gattgcaatt gcgagctcaa cttgaccaac tcaaggtcat tatgcacttc   360

gtgcttgata gcagggaatt ccacccaata aggactcatg cagatggtgc tgaactcact   420

<210>   30111
<211>   416

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30111

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agcttgttat gaggaagtgt tgaagggtga aacttcctgc ttttattgtt gaccacagag    60

tggtacctgn agatatgtct cgggggtcag gagacctttg ggacgtcang tggggtgcta   120

ttgcccaaaa ccaaacttga ccaatcccga cccaacccgg gcatagtcgg tcagtgagaa   180

cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aaaacaagac   240

cacaaagcaa ggaggcttgt ggtggctggc cagctgtgaa tnttgtgtaa tatgtggatt   300

gtggcctctg gtaatcgatt accanaggtg agtaatcgat tacaaggctt anaaattgag   360

gacaggaggc taagatggtc tctgngtaat cgataccaag gggtgtaatc gattac       416
```

<210> 30112
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30112

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aaatgtggca tttgtgcaca atacacaatg tcctgtacat tacaacaaaa tggtgtatca    60

taaaggcgta atagaacttt aatggatatg attaggagta tgttaatcaa tttgacttta   120

cccgtatctt tgtggatgta tgccttgaaa actgtcatgt atttgttgaa tagggttcct   180

agtaaggcag ttccaaagac acctttaaac tgtggacaaa taggacacct agtataaggc   240

acctgcatgt ttggggttgc caggcagaaa taaggattta taatccgcaa gacataaaat   300

tggatgcaag aacaatcagt ggatatttca ttggttatcc agaaaatgaa aggggtatat   360

gttttattgt cctaatcata gtatgagact tgtcgaaact aanattgcaa gattcattga   420

aaatgaataa atcagag                                                  437
```

<210> 30113
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30113

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agtttgttca aatcaaatca ctcctacatt tgatctctag catgcatctt ctttgtttac     60

ccactcctca cgtntggttt tttcggggaa aaacaccata actaaacgcg ccgcaaggga    120

tccctatcgc accagatcca aatctagaac gatgggtgat caagaggaga cgcaagaaca    180

gatgacagcc gacatgtcgg ctctgaaaga acaaatggcc atcatgatgg aggccatgtt    240

aagtatgaag cagctcatag agaaaaacgc ggccaccgcc gccgctgcca gttcggctgc    300

cgaagcagac ccgactctct tggcaactac gcaccatcct ccctcaaaca tagtaggacg    360

gggataggac acactggagc acgatggcag ccctcacctg tgataca                  407
```

```
<210>      30114
<211>      301
<212>      DNA
<213>      Glycine max

<400>      30114
```

```
agagcttcat gtttgttctc cttacacctc cattaattgg ctgctttacc ttctcttcca     60

ttgcccgcct cttcattttt ctccatgtat ctcctcacat gtcttgtgat aaatgttttt    120

aacatgattc tttagagtct ccaccaatta aacttgctat agaagctaga tttgattttc    180

tatggttcaa atttcttgtt cttgttcttg aaccatgaat tgtgttgagc ttaagatcct    240

ttgagttctg ccttgttatt ttctgtggct gagacctaca ccatacaatt cttacccaag    300

t                                                                    301
```

```
<210>      30115
<211>      352
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30115
```

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atcttactct ctatgagtca caccccttgaa gtaggatcac aatacataag aagaggatga    60

gtcacaccct tgaagtagga tcacaataca taagaagagg atgagtcaca cccttgtttt    120

ttggctttaa aacattgttt tggaaacaat ttcctaaact gaatagattt tgaatgaaaa    180

attaattcct gaatagtgtg aaattacttt agaaaatagt ttttaaaacc aaaaaggtag    240

aaggaaatta aatagatcct aaatattttc tttatgtaca ttntatgatt attatgttca    300

atgtcttcat catttactta gcttggaata atacaaactt ccactttctg cg            352
```

12560

<210> 30116
<211> 370
<212> DNA
<213> Glycine max

<400> 30116

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ttttcataga aattgcgttc tacctaaggg tgcaaatgaa aatttcttga cactcattcc    60

tgatgtagag aattcgattg gatcgaatga gtttagaccc atttctcttg tgggttgtct   120

atacaaaatt gtagctaaaa tactttctat ttgccttacg aaagtgttgc acaaggtcat   180

tcatgagtga caattggctt tccttgaagg tagaaatatg ttagatggag tggttatagc   240

aaatgtgtcg aacatggatt tcctaaatta aagggtgcat tgagaccttt actatgtcgg   300

ttcttgtgaa tgggagtcca actcacgagt ccaaaaacga gacgggctcg gtggtttgta   360

cgaatgccat                                                          370
```

<210> 30117
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30117

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agctttatgt tgctcattga ctccaaaatg ctacaaagaa ggacagagat ctgtatggtg    60

atttgcagaa gaacataaac cacagactct tgcaacaggt gcagatttct gattcatggc   120

aatctgagtt actaaggtga ccaaggcatc aagttttccc tcaggctttn tattttcaat   180

agatgaagat gaattcgtgg ccacctcatg gactcctcta aggacaatag catcatttct   240

tgcactgaat tgttgggagt tggaagccat cttcttaatc aaattcctag cctcaacagg   300

ggtcatatca ccatgagctc caccattggc aacatcaacc atactcctct ctatgttgct   360

aagtccctta tagaaatatt gaagaatg                                      388
```

<210> 30118
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30118

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gcttagcgcg tgaagaaatg gtgcttagcg caaggttttc gcttagcgga taagcaatct    60

gaaaatgttt ctaattcatg ttctacttat ctcttcacac ataattttaa caaccctttt   120

tgttcattac taaacaagct gaaatcaatc acaatcacaa gcaagatgtc ttaactacat   180

gcaaaaaata aaaatgaaga tagagaaggg aaagaaaagt tgggttgcct cccagtaagc   240

gcttctttaa tgtcactagc ttgatgcatc atcctgttat ccaggatcca ataatgttcc   300

cacttcaagg accttcttct caggtcttct ttcctccatc acatgaactt taaaatagac   360

attccggtca agtggctctt tatcttcatg aaatagatca aagctgattc tctgatcttc   420

tatgccaatn tgcaacatct tcctc                                         445


<210>      30119
<211>      393
<212>      DNA
<213>      Glycine max

<400>      30119

agcttgtagt tgttgaactt gcgaacctta caagtcgaac tcttatcatg gcccacccat    60

atgaatgata tagggggtgca agaacttgcg ttcaattttt tttttggtcg atttatgaat   120

caaatttcat aatataaata aacattttgc agtttagtta caaaacatat tagtttaaac   180

acatttgaaa atagattttc gaaagtgttg aatctacact ttggaaactt agtttctaga   240

agtacaagca ttgttcaaat acacaattag agtaccttac tgaatctcca tgctccatta   300

tgtatgtatt cccctcgtca ctaaacctct ttggacccat tggtctcaca tcaagacacc   360

attgcattga agactcatgg accacccaca tgc                                393


<210>      30120
<211>      357
<212>      DNA
<213>      Glycine max

<400>      30120

aattcatcga aggaaggtgc gaggcaataa ctcaaaaggg ctcaccatct tggatagcag    60

atatggcagt gctcagggcc acgatgttat ttacaatttc tgaagctgct caagctagag   120

agaatcatta catgcacatg cgcatgcacc ttcttcacta attacgtacg ggtatagata   180

ttcccatagc taatcataat ttcttgttct ctctttaatt gtgtgtatat ctatttattt   240
```

ctattacgat gcatatatca tgccatagaa tgatgatctt accgattttc tacaatacat   300

ttgtcgatca actccgacgg aagaaatcta agaaatgaaa gaaaatatga atatgac   357

<210>   30121
<211>   414
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30121

agtttattga aacaagctaa aaagagctaa ttttaaaata agttnttcta aatgcccctt   60

gagtctattt tgtaatgagt aagtcattaa ttttgtcctc aaactattac cctttctttt   120

gaatgatggc taatgtaaaa aataaaatat aattactcga gtagtgccac aagtattgta   180

tatcatgcta agtaatcctc caaacattaa aaaaattgtt caaattgatc cctaaattnt   240

tctcanatac ataaacttaa ggaccaaatt gataaatatt caatactacg gngattagct   300

aaatactttt attacttttg ggacaattta tgagatagaa agggccatac ttcaatgaca   360

aaattgatgg tttattcatt gtggaatctt canataaatg gtacagaaag atat   414

<210>   30122
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30122

ttctcctcca tttttttttat gtttaaaatc atctatgttt ctcttanatt gngtaacttt   60

gtgtttgaaa aaagataaaa aaggagggtt acatgataaa tccaatccac cccccatccc   120

tacctccttt tcccttctcc atctanacac actagaaact tccagggcac attccaaact   180

canngcaaaa aaggtgaagc cataggatca catattactt ttgatatacc ccaactaaga   240

aaaaaatntc acataaacac aatntaaaat tatttttttt caatttcacc tccattagac   300

tcagtatcgt cttccttccc aataacatat cttggagctc cccaagttcc attcactctc   360

tgcctcagta tatangactg aattctcggt tgattgtgtg caatctagct tcagcttctc   420

aggttcttct ta   432

12563

```
<210>      30123
<211>      324
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30123

tttcttttat cttctgtgnt ctgggaacct ctccttcctc atgtgtaccc aaacccaatc    60

acctggctca agaacgactt tctttctgct tttgttggct tgccttgcat agctcgcatt   120

tttctttttca attagagcct tcacttgctc atgcaacttc ttcacatact cagctctagc   180

ctgtgcatcc ttatgcttaa acatancaat gttaggcata ggcaacaaat caagaggagt   240

caaaggatta aatccataca ctatctcaaa tggtgaacaa ttagatgtgc tatggacagc   300

ccgattatna gcgacactca catg                                          324


<210>      30124
<211>      396
<212>      DNA
<213>      Glycine max

<400>      30124

tctacttatg tggcagggcg ggcttccttc accttcttgt ctccaacgcg aactttgacc    60

attggtgttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa   120

accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttgttttt   180

tcctaaaccc atcccgggtt cataaccgtt ccccaacata actcgggcca tcattaccgc   240

tgcatcggac agacaaggct gcccaaagag ggagtccacg gaggaaatgc tgaccacctc   300

aaaagactgg aaagcagttt ctaacgattc ttctgcggct tccacataag gcatggagga   360

tgggcagctt accaagatat acttctcgcc tgacac                             396


<210>      30125
<211>      345
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30125

accaaaccaa acaacattca acccaaccct aagttcaact tcatcttttg ttcatttgat    60

tcgctcccaa acagagacat agcctctttc ttttcgtttg agaaacaaac ccctcgtttc   120
```

```
aatcattgat cctttctgt taggtttgtg aatntgctt tgttttttgta aaactttgca    180

cctcccccct tttggatttc gtagttaggc gaaaatttta atgtttccgt gtttcaaatt    240

tgcagatacc agttactctt ccaatttcgt catggccaaa acctccttca agcttcagca    300

tcctttgggt acttnttttt cccctttaat atttcgttnt ctcta                    345
```

```
<210>        30126
<211>        443
<212>        DNA
<213>        Glycine max

<400>        30126
```

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gaatgaaata cagtgtacag actctaccct actgttttg caagttaaaa caattgcact    60

agagaaatat tgccaaaaga agcttcctag ctagatctcc taaaaagcag ggatattata    120

gaagttggaa ataccacccc tacaaccttt ctttgatttg atcctcttac tgtgtccttc    180

attcctatgt tatggagcag atccccctcc aaagaaaaaa gaaagaaaag cattcaaaca    240

agttttgata gaaagtcgt agagctagta catacaagta aagctaagaa tgtaggactt    300

tgattccttt gcttttttgtc tctctttctc tctccccatt aaacggaaat taaattaaaa    360

aaagatttt tttttcattt ataaaaacaa aaggctgata aagctgaatt catatacaca    420

gagcagtttt acagtcggac atg                                            443
```

```
<210>        30127
<211>        273
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        30127
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```
acaaaagatg atcttctacc cccattccta gttatatgct antttcatc gtatattatc    60

ggaggtataa atctttaatt ccaccttgat tttgatatta cattaaccat aactcgatgc    120

tagtatatac gaaaaaaaaa ctgtaatttg attacttacc ttatgctcta atagccagag    180

gatcaaggct tctctcacct acgcttgctt attgtcttct agcatatgca acaaatgtaa    240

ggacagacac ttttggaatt catgctactc atc                                 273
```

```
<210>        30128
```

```
<211>      419
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30128

agcttctggt cattgggccc gtaaaactca ctagggatag cggtattatt aaacgcagac   60

aaagcaacca gcgataaaac ccaatacaga taaagcacct aaactaatag aaaagtaagc  120

ttctccagac cataccagtg cacgccgagc ccatgcaaaa ggtttggtta agatatgcca  180

gattccacca agtatacaaa tggaacccaa ccatacatgc cccccaatta tatcttccaa  240

atcgcacaca ctaacaatcc acccttttcc cccaaaaggt gattttaata aatatccaaa  300

tataatactc ggactaatgg tcacattggt tatttttctt acatctccgc cccccggagc  360

ccacgtatca tatatnacct ccaaatanag agccttgaat actagatgaa acgcaccta  419


<210>      30129
<211>      495
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30129

agggaccgcg agtgagnctg agaccttgca caacatagtt atttagcatc catccccgag   60

agggaaacag cccggatcac cagctaatgt ttttaattga ccgctcagtg acaaaggagg  120

taggggtgca gagacaacca ggaggtttgc ctataagcag acacccttga aagagtgcgt  180

aataactcac tgatcgagcg ctcttgcgcc gaagatgaac ggggctaagc gatctgccga  240

agctgtggga tgtaaaaaag aatccgtagg ggagcgtctc cgcttagagg gaacgacccg  300

cgcgagcatt gctggacgac acggaagcga caatgtcggc ttgagtaacg cacacgttgg  360

tgagaatcct atgcctcgaa aacccaaggg cttcctcgta aggttcctcc accgagggtg  420

agtcatggcc taagatcatg ccgaaaggcg tatcgatgga cacaggcgaa tattctgtac  480

tacctttgtc ggtcg                                                   495


<210>      30130
<211>      413
<212>      DNA
<213>      Glycine max
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<400>   30130

tttatatgan gatanagctc tcttgcttct gaattcctta ccaaaatcct ttgaacattt   60

caaggatgcc attctttatg gccaaaaaca aaaacttacc cttaaagaaa tcccgacctt   120

caccagggac cagggaaatc caaaaccgcc agggttctaa tctgaggata atggtgaaag   180

cctgaatatt ttcaaggaaa ggagtgaaaa aagggaacaa gaggaaaaag tccatatcaa   240

gtcaagggat tcaaagaatg gctagaanac aaagttcana tgctttaatt tgtcacaaac   300

tggtcatttc aagaaagact gcccatacaa gatcaagaaa ggatctttgg actctgctga   360

catagttgaa gcctctgang gtatgagagt cangtgttta gtagcttcta tcn   413

<210>   30131
<211>   445
<212>   DNA
<213>   Glycine max

<400>   30131

aagagcccag gtagtcgaag agaagttcaa gtccatatcc ttcaaagtct gaaaagagta   60

tgatgaacta agagacgtca atatggccac cgctgaagcc ttggaacgag aaaccaagaa   120

ggcccgaaag gaagaacacg accaaagcaa agttttgagg ggctttatag ggcagcaata   180

gtgagctcaa gctccgaaga ggtgaaagga atcatcatgg gtcaaaggca tgatcttgaa   240

ggacgagcta aaagcttgcc tcatgtcgaa aagaaatttg tcccaacagt taagcgagac   300

agaagggaat atgtgggcca tcatcgatga gtgcaaagag aagctaaatc tatcggcgac   360

tcataagcaa aggctagagg atgagtacgc caagatatca gcagacaggg aagcaaggga   420

tagggttatt gattcattgc accaa   445

<210>   30132
<211>   412
<212>   DNA
<213>   Glycine max

<400>   30132

agcttgtatg attatggggt acccatcata tgtggtacta ggtggcaatc aggcgatggt   60

gcaagtcgac tctccacatc cacaaatcac acataaatcc accatcccca gttgtccacc   120

ttcaactgag ctcacgtgct cccacgtagc ccttatcctc gttcctctca acaccgggtc   180

cccatcaatc cctccaagct tccacaacat ccaagaaatt cagcatccaa acatcatgaa   240

ctatccaaaa ccaagaaaac agggcatagg cagaaaactc ttcccaaaac acattccaat   300

accacagttt tcctcactca nataccccag taacattctc tttgtttcga ttcgttaacc   360

ggtggatcaa ctcanaattn ttactggagg tccctaatac atatatctac ag   412

<210>   30133
<211>   411
<212>   DNA
<213>   Glycine max

<400>   30133

gaataatggc ctcatcaaat tatttatttc ccgaagttat tttctataaa taagtctcct   60

attgttagtg gtgtgggtta ccattattgg aacaaccaca tgcaaatttt tatagagaga   120

attcttcttc ttcttcttct tcttcttatt catgagattg attaacggat cgagggtttc   180

ttaagttgaa ggaattctga acacaaggga agggttgtgc ctatgtggtt cagactttgt   240

aaaaggcatt ttacaagata gtgaacatct caaacgggtt gtttggagat tagacgtacg   300

cacagggcat gaccgaacta gtataataac tgagtttgca ttctctcttc ccttaaaatt   360

ctcttactta ttggtcttta tcttttgcat tacagaagtt tactttgaat t   411

<210>   30134
<211>   353
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30134

gctttgtttt aaccanatat gaacaattta tgcgaatcat tctttcttgg aaaactttct   60

ataaattctt gtaagattaa agctctcaaa acacctttta taccttgaga aaaaagactt   120

aaagtgttga gtgttatatt tgtctataag accatcacta aaattaatcc atgtgtaatc   180

ttttaacaaa tctttgtgat ttgtttaaag ccaacaatgg cttgatagaa caaagaatat   240

tggtttaaat cacacttggc gtgagcttgt acgtgaagag ctagaagtga cagtgaataa   300

tacttgtaac tctgataagc tagtggaaac ttggttgtta ccaagaattg aat   353

<210>   30135
<211>   300
<212>   DNA
<213>   Glycine max

<400>   30135

gcacaattac cccttccact cttccatata aaatatctac tttaaccagc tttgcttccc   60

tgggtgcgtc taaataaagg attcaagaaa tgttgtgcct tcaacaggcc aacctagaag   120

aaaccatggc atagagcttc ctcttctaat gcatggaaac caattcgctt atcaagaaca   180

ccttggaagc ttcactcaag tacttcaacg actctcgtat agttctatat taatatgcta   240

atgcaacaac gacttgcttc aaccggctaa tcccttgtgc tacaaccagc tacttctttc   300

<210>   30136
<211>   357
<212>   DNA
<213>   Glycine max

<400>   30136

agctacttga tgttgaatcc agaatgattt agagagtctt gatgatcaca aagatgatga   60

caaagagccc atgagaatga gttcaagatt gacatctgaa cacttcaaga atcaagagga   120

aatttgagtt caagattcac gaatcacgtt tcaggattta agtttcaagg aatcagagaa   180

tcagcgagtc aagaataatc gagttgaaga ttcaagagtc acgtgaagac tcgattcaga   240

taagtacaca aacgtttttc aaaacattga gtagcacatg aatatctgac aaaacctgtt   300

gccaaagagt ttttactctc tggtaagtga ttaccagatt attagaagtc gatacca   357

<210>   30137
<211>   383
<212>   DNA
<213>   Glycine max

<400>   30137

agttttctct cttaaatttc tataaatagg gggagaagtg aagtataaaa gggttcagcc   60

ccttaagcac ttcactctct ctcgaaatag ctgacgaaaa ttagtttcgt gaagaaaatc   120

caagccgagg cgcttccgta acgtttccgt gagtaattac gcgaagatgc tcgaccgttc   180

ttcaagattc atcattcggt cttcgctttc ttcagtcttc aacgggtaag tacctcaaac   240

caagcttttc aattcattct atgtacccgt ggtggcccac atttcgcttc atgtattttt   300

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attctcgttt tcattacttc ttataccct tttgacgtgc ttaagccatt tatttaagtc    360

atttctcgct ttaatctaaa aat                                           383


<210>      30138
<211>      500
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30138

cgancacggc cntattgaca ctnttagatt ccccgccact cgttagatta ttcaacctcg     60

ccacccagct ngactatgca ggctacggtg ctacttctat attctccgcc ttctggcgga    120

acctgctgga atgctcaagt gggcctggct cctatcctca ccacatgtat actaaataca    180

cccaaaccac ttactcgttg attcctcatc cgtaaccgta cggaactcta tgaatctcgc    240

aacgatcctc gctctatgtc cagaatgtca cgaaacctta cggattacac aatcatacct    300

tatttggcct ccgaactgta actgaacttt accgactgag caacaatgct ctcttttgac    360

gtaatgcatc gcacccaact ctacggatta tacaacaccg catcctttcg acttctgcga    420

tgtcacgaaa ctttaccgac ttactcataa tgggcgcaca gcaccttcaa gcggtcaacc    480

atggtctctc ccccaaaccc                                                500


<210>      30139
<211>      411
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30139

ttgcttctta caagagacta agaaatttct gacaaaaaat cttgagatga aagatcttgg     60

ggaagcctct tctgaattag gaatcaagat actaagagat cgctcttaag gtatcctaag    120

gttttcacaa gagagttata tcgataaggt cctaaataga ttcgacatga aagatagtaa    180

accaggagat accctgatag ctaaaggaga caaatttatt ctcaaacaat gtcccaataa    240

tgaccttgaa agaatagaga tgcaaaagat tccttatgca tcaacagtag gaagtctaat    300

gtacgctcaa gtttgcactc gtnccgatat agcatttgta gtaggaagtc tgggcagata    360

tttgagtaat ccttgaatgc agcatttaaa agcagcnaaa cgtgtgatgc g            411
```

<210> 30140
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30140

ggctctagcc tcactcaccg cctttctggt tttatttcta gctatcttat acttatccgg   60

agtttgagaa tttctacacc tagaccactc cttgaaacac tcctttttta ctctaacttt   120

gctctgaaca ttttcattcc accaccacga ttctttaccc ctaggtccaa aacctctaga   180

ttcacccaac gtctctttag ccactttaat aatctcttgg gacatcttgt tccacatatc   240

atttgcactt ccttgtgatt gtccacacca accctcccat atctnttgtt ggaagattcc   300

ttgtttctca cccttcaagt gccaccattt gatccttggt gctaccatag gacttcttct   360

ctttgcccta tctctaattc ttacactcat aaccaacact ctatgttgg   409

<210> 30141
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30141

ttgagaagat tggggttgac ttacctatgg aactattaca gttggcgttt atgagttatg   60

ctgaatgtca tanagtagtt ggagacctgg accaaaataa gatagctttg gaaattttag   120

ctgttcctga ccttcctcaa ttggctccat tttttctaag gaaatcatca ccccacggca   180

atgaagacat tgtgggccca ggtattcctt ttcctgttct acttgtgctt aatgaaattc   240

acaacgggta ctcaaatttg gaaggagacg cactttcagt ataagcagag cttggcctca   300

aataccaaga agttatgc   318

<210> 30142
<211> 351
<212> DNA
<213> Glycine max

<400> 30142

gtgaccagga tcaggttcca cgatgggaaa gctgtatata cagaaattgc gcaggaataa   60

```
gcgaagctcg ccccaacttg aagtaaaaag cacttcacag aaaactaaag aaactccagc   120

atacaaagcc ctagaagaga tcactaaaac catgcctatg aacagaatat gcagtatata   180

atagaagcaa taaagaaaac ttgctcacta ttcacaccaa taacaacaaa catagtccca   240

gactcaaaat acacctacct tcaaacaaat agaaatagaa atatagacac agtacaatgt   300

tatcattggc accattctaa catatagaga ataccgcact gaatctacac a            351


<210>      30143
<211>      447
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30143

cgcccatgtg tcatactatc tgggcaatca gctcgtcccc gngatccttt aaatcaacct    60

gcaggcttgc aaccttgact tgtctgccta agcacactat gcctctggaa gttttctttg   120

aattaagatt aacctaactt ctggtcttag cccttggtgg gtggtgaggg aggttaacct   180

aacccccttc caccccttaac ttaacttttt tattggattt taaagttttg cagttaagct   240

aaatgccccc tgtgcgctaa cctggatgta ttctgataac gtgactaagc gcccatgcta   300

cactaagctc actctcttta tttgaaaatg ggacctggct aactcacttg ctgcctaact   360

taattacaan aaatatttgt gattcagcta tgcagttact ggcttatcct agaaaattta   420

aagcgcgcta cgcactgctc ctaacac                                      447


<210>      30144
<211>      432
<212>      DNA
<213>      Glycine max

<400>      30144

ataaaagtta ttatgttaga catttgtgag acaaaatgat caagaggcaa tgggaccctg    60

aaagtgtgaa gttgagagaa acctagatga agtgtaggct actttatgag tggcgttagt   120

ctatgctcaa gtccttggaa agtggttatt gtgtgtggaa ctgtatggtt catgttggat   180

caagtcgaga atctagaagg gggttgaata gattatttca aaatcttgtg ttgtcaccac   240

aatctgttgc ccttgcactt tagcacacaa gaacccagta tcaccatcaa tatgagttat   300
```

12572

```
ggtatagaaa aattttacaa ggtctatgta gtaggtgcac ttcatctcca ccaatttctt    360

caacccgtga taatactagt tcaactcagg aaaaaaaaaa tcttcacttt tgagccacgc    420

caaactaaca tc                                                        432


<210>     30145
<211>     344
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     30145

ttaatggtat atttaccttt attagccata ttaaatatta tttattatta aacttaaatt     60

taagccaatg gtaatactaa aaattggtat tttttaattt ccttaaattt ggaaaattcc    120

cccccccccc ttggagaaat ttcctaattc tgtccttgca atcagaccaa gtccagtgtc    180

tggagtagat gaacaagtgc tcaatcttgt actgtatgaa gaaaaggatg aagacacatc    240

agataccttt agagtatgtt tggatgggga aacttaaaat tctgagaaat ttaaattcta    300

gaatttcnat acttcaatga attctttatt tcaaaatttt tgtt                    344


<210>     30146
<211>     410
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     30146

tgagactttt attactatat tttccacttc ttatctaacc ttggaaaggc tccacaaaga     60

gaaagccaat attagaaata tgtttatttc tgatgaatgg atcctaaaca agttatctaa    120

ggagcctaag gggaagaag ttgcaaaggt agtgctcatg ccttcttttt ggaatagtgt     180

ggtttacact cttaaagtca tggctccact tgtcaaagtg attcttcttg tggatggtga    240

aaggaaacca gccatgggct atatttatga agcaatggac aaggaaaaag aaacaattat    300

caagtctttc aacgacaatg aaagcaagta caaagatgtg tttgcaatca ttgataaana    360

gatggaattg tcagcttcat aggccattgc atgcatctac ccacttctta               410


<210>     30147
<211>     211
<212>     DNA
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<213>   Glycine max

<400>   30147

tttttcgaac catttccgtg aataataatt ttttggccaa atgggccaaa aggcaatttt   60

cgcccaataa atgggaaaaa gccatgttcg gcccgaacca aaaagcgggt gggctcgcac   120

aaaagaaact aacccgacta cattttaaat tttgtatgca acaccaaaac aagaaaactt   180

cctgtgccgt aaaaaaaaaa cattacatga c   211

<210>   30148
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30148

atgacgccga tcgaacattt cctaaccgac gtcttgctna tttcgttcag ggattgaatt   60

gaaaactcgt taggcgacat ctgtcgcgaa gtaccgaccg atatttttca gccgacattg   120

cacaattctt tttagaaaag ctcgctggtc gataatggtc tttttacggc agagtaagtt   180

ttcttgtttt ggtgttgcat aaaaaagtta caatgtactt cggctaggtt tttcgtgcga   240

gttcaaccga cattttgttt cggccaggaa aacattagcc cacctctgca aaaaaaatat   300

ttgctaaccg tcttcatgca tatttcattc aacgattgaa tagaaaactc aatagccgac   360

aacggtcgtg aaatagtccc gactgatatt tttcagccgg cattgcgcat ttctttctaa   420

aaaaacgctc gctgg   435

<210>   30149
<211>   168
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30149

atgcttcaat ggaggaaaat aaagagggag agaaagagag aggggggggg ggggaacacg   60

aaattgaagg gaataaaaag ggagagaagg gaactttgaa gtatgtctca caagactctc   120

attcatcaaa gttacaacaa gtgttacaca tgcttctatn tatagact   168

<210>   30150

<211>   445
<212>   DNA
<213>   Glycine max

<400>   30150

acgggcatct tagttcattc cttatgaata atgatttttt tagaggaaaa tggatacaac   60

tatgttatgc aagaattatg attcccaatt tagcaatttt attaagaatt ggcttccacg   120

ttttctctct tcttgggtta gctccaatag ggataccaag atacacaaag ggaaatttat   180

tgatcatata gtttatgata ctagcatacc tctccaaagt gctatcttta accctaatag   240

tcctaaagaa acttttatga aaattaactt taagtcccaa gatgagctcg aaacctctta   300

atatacttt aatggtatac acatttgaga gggatgcatc accaaaaaat aataaagtat   360

catcggtata ttgaaggaga ttgatttgag ttttttcctt acgcaccaag aagctacaaa   420

acaaattttt ctcaatagct tgtct   445

<210>   30151
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30151

agctnttgat caattcanat ggtcataact tttaactcag atgtctgatt catgcgcata   60

atatatcgag acgctcgaaa ttgaacaatg gaagctcttg agcaattcaa atggtcataa   120

cttttaactc agatgtctga ttcaggcgca taatatatcg agacgctcta nattgaacaa   180

cggaagctct caagtaattc aaatggtcat aacttttcac tcggaggtcc gattcangcg   240

cataatatat caagtcgctc gaaattgaac aacggaagct ctcgagaaat tccaatggcc   300

atcttttcac tcggnggtcc gatttaggcg cataatatat cgagacgctc ganaatgaat   360

agcggaagct ctcgagaaat tcacatggtc ataactcttc actcggaggt ccaattc   417

<210>   30152
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30152

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tcagaatttc ttttggctga gtgaggagag agaacagctt ttggtttttaa aaagggtttt   120

ctcttttct attattctat tcaagctatg ccacatgtct ccatttgagt ggagcgaana   180

gggcccactt tctcttttga ttgtgactca tactcagcca caaaaagtga gaaaatctga   240

cctttgaaac gctaaaatcc tgcctcggtt tgcgtgtcat ttctctggtt ccagttcctc   300

gtgtttctct gcgtccgtcg gngccagttt tcgaaagtag gcaatatata tatatcanaa   360

cgctcanaat aaaaccccga gcgtggttca gaggttggtt ttgttaaatt ctaagtcgca   420

cgcaaaatga tgatctttaa actaat   446

<210>   30153
<211>   392
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30153

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agtccttctg attcaatttg tgtatttctg actttatggc atgagatgat gtacaaagat   120

tggacctctt gttagttgtt attggtaaat aacttanaca cttatgcgtg agtgatatag   180

tggccgtgag aatttggtta aatatctttc catgaaatct gtctcttgcc tagcttcatt   240

tagttgtgtt gttgactaac atgttctttt ctctgaanaa ctgcatgtct tgtgaaaagc   300

aattgataaa angcattttg gttcatttgg tatcatgtaa ttaaaatttt gtgaatcaca   360

cacctttgta cataatcact gcatgctttt ca   392

<210>   30154
<211>   444
<212>   DNA
<213>   Glycine max

<400>   30154

tcttccacct ctctgcaatt agaaatccac tatttctaaa ggcgttgaaa acctggtgac   60

acattaaact tatcacaact aaataccgtg agagagtcca acccttcag caatacttcc   120

tctcccaaaa attgagcaca ttcagtaatt tcaagattgg aaaggcatgg gaacatgttt   180

tccccatact cccttgataa ccttttaaag tttggatgat gacggatggt cagatcttct   240

agagccctga aaactatttc cccatcacag gactcctcat agaggtattc tacgtaatta 300

ttatttattg tacccaaaat ctttaaagaa ggcagtttcc ccaatagtgg aagttgtaaa 360

cagttttcac aattcagcag atttaacagg gttaaatact tgagagaagg agtagacatc 420

cattgtggga aatgagcacc tttg 444

<210>   30155
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30155

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tgcacaacaa attttccaca tccacaaatc gtgcataaac ccaccatccc ctgttgccca 120

cctccaattg agctcacgta ctcccacgta gcccatatcc tcgtttctct caacaccggg 180

tccccatcaa tcctcccaag cttccccaac atccaagtaa ttcaacattc aaacaacaca 240

aactatcaca gccaagaaaa tagggcaaag gcagaaaact cttgccaaaa caccaaccaa 300

aatcacagct tttctcactt aaagacccca gtaacagttc cttcgttcca gttcgttaac 360

cgttggatcg actcgaaaat ntcactggaa gtctctagta cataatccta cat 413

<210>   30156
<211>   441
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30156

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gtcagattgg gaatgcctct aacagcacct ttgtcaatga ttttcttcat gcctcttaag 120

tgcagatgtc caaatctttg atgccatatt ttgacttcat cttctttgga gaatagacat 180

gtggaggagt aactggtttc ttgaggtgtc cataggtaac agttgtcctt tgatctgctg 240

cccttcatta ggacttcact cttctcattt gtcaccaagc attctgactt tgtgaagttt 300

acattgaatc cttcatcaca caactgactg atgctgatca agttcgcagt cagtcccttc 360

accagcagta ctttgttcag actaggaagt ccatcatgga ctagctntcc cattccagtg 420

atctttcctt tagagccatc t 441

<210> 30157
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30157

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acttgaataa ttggactgcg agtttgggct tttgttcgtg taattaattt aactagttta   120

attgggctgc gaagtttgtg caacttggtg tccaaagttt atcccctatt ctgagtgaaa   180

gtaacctctt tggggttaag tttgagttaa aattgccaaa ttctgcctct atgagtttta   240

tcggtatggg caatttggtc atttcaaagg aaattatctc agaatgggct aaaactttgc   300

caaaatgtag aanaattcat acatcgaggt gcccctgtga gggacaaaca caaacattan   360

gaatcattnt tgccaaattc atttatctgg accacttttg gaattccttt   410

<210> 30158
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30158

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caagagagct atatcaataa agtacttgat agattcgaca tgaaagatag taaaccaggc   120

gataccccaa tagctaaagg agacaaattt agtctcaaac aatgccccaa taatgacctt   180

gaaagaactg agatgcagaa gattccctat gcgtcgtagt agcaagtctg atgtatgctt   240

aagtttgtac tcatcccgac atagcatttg tcgtaggagt tctgggcaaa tacttgagta   300

atcctggatt gcagcattgg aaggcagtga aacgcgtaat gcgttacttg aagagaacaa   360

aaggctacat gctcacttat tagaagtntg acaatntgga gatcatcggg tactcagact   420

ctga   424

<210> 30159
<211> 348

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30159

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aaggttgtat tcactttatt ggtgaaagag tgtagtctgt agctggtggt ctagaaatac   120

ttttaatata cacaaagtat gtatttacaa aaaaaaaatg atacaatttt cattgctaaa   180

gacgggtgta agacaatcat gaaaataggg tgcaggggaa aaaactaaag ctcagatcga   240

gcagaataga gcagggcagc agcttcttat tttgattgat ttgtcgggtt tcatttattt   300

taaaatgtaa tttggagact ctatgtttct ttcctttntc ttttatga   348

<210>   30160
<211>   96
<212>   DNA
<213>   Glycine max

<400>   30160

tcttttgatc cgactatgtg actaatcatt gattcttgtc ttattcaaac ttaaagctca   60

tctctcgttt gtaatagtgt atcatgttgg gatgac   96

<210>   30161
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30161

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gngcggatcg cttgatacag gctgtagagt tttggatgac gccacttcca gtgaaggaag   120

ataagtcagg gtagacacca cttccggtga aggaagataa gtctgggcag acgccacaag   180

gattaccttg ataagtctga gattggttca accaggaacc cagagagaaa ctcaccatat   240

tctatcatat gccagaagct ttgtcttatt cagaacgaaa accaatactt atagtgtagc   300

tgaacaacaa gataaaaata gacatgggcc ttctaaacag tttgggccaa aattacaata   360

aaaataaatt ataactanaa acttatttaa c   391

12579

<210>   , 30162
<211>   439
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30162

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tgagaagtga aatttagaat gaggtaaatt tggagcaaac tctcacctca cacaagtcta   120

taacatcaat ctaaacttgc tcaaactgga tttacaccta aaattccacc gaatcaaaat   180

ttgactcttc aacacccaaa tttgccctag aaatggctct ttgttcactt tggtcatttg   240

tttttccctc tatcacagcc taacctttct cataagtcct aaatggcatt tcaagctaag   300

attaactcgc tctaacctct aaatactacc aaatccagat ttggccttcc agccctcaaa   360

aattcactct ntttccactc ataacaccac attntcactt tctaacccta ggttaattct   420

accattcatc tctaacagt   439

<210>   30163
<211>   404
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30163

ggcggtctcg atgatacgcg gagatacctt acggntatcc gcaccctttt gtcatccaga   60

ggcggcgggc ccgatgacaa gcagagacca agtttggtca ttctgcaccc ttgtatcatc   120

caaaggcggc gggcccgatg atacgcggag ataccttacg gttatccgca ccctttttgtc 180

atccagaggc ggcgagcccg atgacaagca gagaccanat ttggtcattc tgcacccttg   240

tatcatccag aggcggcggg cccgatgata cgcggaaata cccgagtggt tattcgtata   300

aacattcttt tgctatctgt aagacagaac gctngatagc atgcagaggc tgacatagtc   360

ttctgcacct tttggtcctt cgggaacaac aagtcattta catg   404

<210>   30164
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400> 30164

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ttgctaccta aagccgcatg ccaattcaag tatattttcc tttgctgact aaaattgtat 120

tcaaattaaa gggtatacat ttttttgtaa tgtattttct ttacataaca tgcaacatat 180

ttatgtatat tttttgtga dacatttga ctaccaaaaa ttatatgcac atacatccaa 240

gtattttgct atcatacca aagtgtaaat tgccaaaggt attttgctac ctattctaaa 300

cctacacatt catgacgagc aaaattccta aacatctang cgtanggaaa ttattgtagc 360

gtggcccata gctgattgct ggccaaaaag ggtaactnta cccaatatng cacctctttt 420

gtgtctttt   429

<210>   30165
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30165

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aggatcttgg acttgattat gttaagacag atgtttgcat tgatgattgt atcttatata 120

aaggaagcta taaaaacctt gatgaatatc ctatttgtaa gaaaactaga ttgcaagaaa 180

ataagaagaa aaataatgtc cccaataaca cagttcgttg ctttccaata aaaccaagac 240

tgcaaaaatt gtttaggtct aaacaagtta tgtaataatt ttggtctcaa cattttggaa 300

aatgaaaggc tccttcagtt ttggaattga gaagacanaa tgaatggcta ctaatgagtg 360

gtaatgacca ctaatgggtg gtaatgacca ctaatgagtg gaatgactac ta   412

<210>   30166
<211>   440
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30166

aagatttgaa acttcacata taagagatgc tntattatta ttangttaaa ttaatgatga 60

tctcaaaata aaaggtgaga ttgtttagca acttatgaac ttgaaaattt tgagtttttg 120

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ttaagtacga ctatttggta tgtcatatta tttcatgtaa actccattag taaaaagtta  180

caatcaaaag atatgggtat gtatgttgct atagaacaat tgaaaggtct tatttctttt  240

tttgaaaaat atagagaaga ttgatttgaa aatgctataa tttctgctaa agaaattggt  300

attgaaatag atatagaacc taagcttttt gaaaaatgtg ttattcatag aaagaaaaac  360

aatttgatga gaatattgat aataaagttg taaaattgcc taaagaatca tttanaattg  420

attacttctt gtatataata                                             440
```

<210>   30167
<211>   415
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30167

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gcttgtgcta tttctagttc atataccata cctttaagcc aaaatgcttc cttcactcct   60

tcaactaggg cccttgattc tgctttaata aatgaaagaa caaccactga atggtgaatt  120

gctttccaac taattggtat acccaacaaa agaaatacat atccggtaaa gactttcttg  180

tacctacatt ttctacaaaa tctgcatcta catagcctgt gattgctgcc tcatgtgttg  240

tcttcttgta ccttaatcca gcattcaaag atccatttag ataccttagt gtccacttca  300

cagcttccca atgtgcactg ccaagatctc ccatgaatct gcttataata cttacagcat  360

gagccaagtc aggtctgctg canaccattc catacattat gcttgcaaca ccact        415
```

<210>   30168
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30168

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tggaatcgat aaggcggaat gtctgaggta tcttattacc ttccatggtg ttgaggataa   60

tttgggaaat gagtgaaggg tcacggtcat gggtgatgtc ggggccagca atgtcttcat  120

ccgcaagaag caggtttaaa tgggacttgc aacggtggcc gtgagaccat ttatcatcgc  180

aatggtaaca caggccctgg tctcagcgaa ttgcaagctc ttctgccgat aaacatttga  240

cgggattttt ggtagagggg agggaaagtg tattataagg tttaggggaa aaggttgagg  300
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12582
```

gggtcgtggg ataagggaaa gggtttgggg aggatgtggg ggcacgggtt cctctgcagt   360

ggtccaacat tntatccccc tggagacgtg ccagctcaat tgcctgtgga agcgagatgt   420

ggcgcaacac atgga   435

<210>   30169
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30169

agcttgttgt atgcatggct agagatattt gtgtcgactg aagaccaaga attgtgtata   60

tatataagtt ggaagattct gtggaaaccc aattgccaaa gaaagtgact gtccatggat   120

ggagggcata cgcatgagat atcacatggt gttgtcttcg gtccaactat gaaggataag   180

ttgtgaagac ttgcgtaacc ncaccttatc atacattaat tggccagcat aaagtctcca   240

catgtaacca aatgagacgt gcctctgtga aacgtaacgt ctattcaagc attatttggt   300

attccatatt tgatatgttg tttgcgatcc aagtccacac accttcactg ttgggaattg   360

caaagaattg tctgtggagg gagaaatatg catcgcacga agcattacaa aat   413

<210>   30170
<211>   441
<212>   DNA
<213>   Glycine max

<400>   30170

tgcttctctc agggacaccc ctttcttttc caatctcatt gttcctccac aagctcccct   60

ctctccctat ccaataccag agagaaagat gaaccacacc acccacttcc aatcacacca   120

ttgcttcctt caaaaccatc acttttcctc ttggtgacat cttcatcaat gccaccaccc   180

cataaaaaat cttccatttc catgcctcaa taacaataat aaagttaatg ttcaaaaggg   240

taggtgattt cacaaatagc acgtgaaatg ggaaatgggg ttgttttgtt ctttcttata   300

gtgggtttgg agtgtgtgtg tgtttggaac taagtaagaa tggtgagtgt ctgaaacagt   360

gtaacagtgt cagtgacagc atatgaagat ggcaaaagaa gtaataatga gaaaagatct   420

gaagggtact aagtaagaat t   441

12583

<210> 30171
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30171

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agcttgttat tatatacaaa acacacaaat tattatgaac aaattgacgt taatgacgta     60

aattattagt aacacttacc actgcatgtc tcaactaagt cacatcagac ctttcagaag    120

tcgaccgtgc tgctggctcc gtgaaccgac ggatatctgt gtctggatcc tgaggggcaa    180

ctctgggctg cgtagcatga ccatctgccc gaggatctga tggctggccc ggtgtcatga    240

atggatgcga aatgcggaag aatcagtcca tgtagtcgct tgcacactgc ccttgcacaa    300

cgcagatgtc acctgctaca accatatggt ccgaatagtg catccacctg ttgtgtatat    360

catcagactg cacccatgaa tcngcangtg gagcangaat ggtctgagtg tatc          414
```

<210> 30172
<211> 400
<212> DNA
<213> Glycine max

<400> 30172

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tacccgtcac atgtgggagc aggttggtgg actggcgatg gtgcaagtcg actagtgaca     60

tgcacaaatc acacatgaat ccaccatccc cagttgccca ccttcaactg agctcacgta    120

ctcccacgct agccttatcc gagttactct caacaccggg tccccatcaa tccctccaag    180

cttccgtaac atccaagcaa tttcaacatc caaacatcct gaactatcaa aaggaagcac    240

atacagggca gacgcacatt actctgccca acacacaggc caataccact actattatta    300

ctgctataac ctattaacac taccttatgc acaattggtt caccggtgga tcaactcgaa    360

gatttactgg aggtccctag cacataagtc tacatttgga                          400
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<210> 30173
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30173

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agcttctctg cacaaatatt ccgtccccta aatatatgcg taaatttaaa attaaaagta     60
```

```
tgaattttat atgtatatag tttaatcatc tattcctaag ttttcaaagc accaatatta   120

gagttgattt aaaatatttc agtactaaaa gattatttac acttatattt aaaatgtcat   180

tttaacgtaa tgtgttttaa tattttaaat attatagttg taataaaaat aattacacat   240

ttattntaag tatgttattt taatgtaata tttcttaact tatttgtggt tcattntttg   300

gtttataatg tggttaacta ttatttgtga attttgttct tgagtcttat gtctaataaa   360

tataaaccaa ttttacatgt ttcttacaaa cattgtatct gtctcttttc ttt          413
```

<210>   30174
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30174

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acatatcaaa tatgttcatt nttccatctt cttagacttc tgctaatgat ttcctttcct    60

atgttctgtg cttttttggt gctttaggtg gtccttcatt ccctactttt aactctgtca   120

aattgagatg tcaatgccat aaataagtta acagtaacag caatgtgcag ttcttcaccc   180

cataatcagt cacagtgcat ttccttgtct catgggatat tattaaaagt cagtatctta   240

aggtttgagt actttgggta tttgcaatga atctgcctaa ggtagagtag caatggtctt   300

taagggctaa ggagatataa taatcaaggg gaaatataca aaacaatcaa gaggaactag   360

taaaaatata acaatatata caatgaacca agtaagaatc tc                      402
```

<210>   30175
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30175

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agcttctaca ttcaatttca agcttttcga tatattacgg gactcaatcg gacatccgag    60

taaaaagtta ttggagtttg aatttgctca gggcttcggt attccatttc gagcgtctcg   120

atatattacg ggactcaatc ggacatcaga gtaaaaagtt attggtgttt gaaattgctc   180

agagcttcgg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg   240

agtaaaaagt tattgtagtt tcaatttgct canggcttcg gtattccatt tcgagcgtct   300
```
```
                                        12585
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cgatgtatta cgggactcaa tcagacatcc gagtaanaag ttattgtcgt ttgaatttgc   360

tcagagcttc tacatttcat ntcgagcttn tcgatatatt .acgggactc   409

<210>   30176
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30176

attcanacga caataacttt ttactcggat gtttgattga gtcccgtaat atatcgagac   60

gctcgaaatt gaataccgaa gcgctgagca aattcaaaca acaataactt tttactcgga   120

tgtctgattg agtcccgtaa tatatcgaaa agctcgaatg tgaatgtaga agctctgagc   180

aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgta atatatcgag   240

atgctcgaaa tggaataccg aagctctgag caaattcaaa caataataac tttttactcg   300

gatgtccgat tgagtcccgt aatatatcgg aacgctcgaa attgaatgct gaagctctga   360

gcaaattcaa acgacaataa cactttactc ggatgtctga ttgagtcccg taatatatcg   420

agacgctcga aattg   435

<210>   30177
<211>   342
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30177

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ctttgctcct tgttatactg gttccccgaa tgattcctcc agcttgagcc ctgtgtgaaa   120

ttcctccctt gattgaatct cagcggtcct cctaggttgt agccttggaa tctgtggcgg   180

ttctgagctc ccatgtagtt cacctccatg taagaatcta cttgngctat tgattgcctt   240

gtttcatgtg ctccatcaca gatatggcat ccccctatnt gcatgagtga agagtgagag   300

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<210>   30178
<211>   447

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30178

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cagcaaatgt cttcacaaat aatcatcaca cagcttattt ctagcaagac tacccatcat   60

atctcccaaa accccatacc cacgaaaatc aagagggaaa gaagtccacc caaacctgaa  120

atttcgaagt cccactcgta gccacacact tcacgactcc aaaaacgccc tcctttcacg  180

atttggggca gaaatgatgg ccaaaggttg aagctttgct tggagcttca atggagaatg  240

aagaagaaga aaatggcaac gtgagggaga gagagagctg tctgaaaagt gtggggggctg  300

agtgaagaga gagaaaagct ttttggtttt aaataaaagg gttttctct ttttctatta  360

ttttattcaa gctctgccac atgtccctat ttgagtggag cagaaggacc cactttcnct  420

ttntactgtg acccacactc agccaca                                      447
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<210> 30179
<211> 379
<212> DNA
<213> Glycine max

<400> 30179

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gtactcgaag ggggtgaccc acaactatat gtacgattca gaagtatcct catcatttta   60

ttaagtgaaa cgatgatgtt cagaggcgga ctcatgaggg taccacttgt ctccatcagc  120

atccatacat tgattacaag tgtgagtata ccccgctttc acctgcctta acgatcgtta  180

tgagcctcat ctgcctgact aatatgtgat dacaagagac gaccctacta tgggtcgatc  240

tcggatgcta gcaccaattt gtatgcacga ccgtattagt agtcaacgtg tcgtatcgcc  300

tacttgcaac gtagccaccc ccaaatacat atgtgcggag gagatgtcct ccgccgctga  360

cccaccacag aatgctgcc                                               379
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<210> 30180
<211> 338
<212> DNA
<213> Glycine max

<400> 30180

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tttgactgcc agaagctaca aacaattcta ttgcatagac acacacgtgc tatgtagcta   60
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caatttcaat ctctggagac gcttaaacct tcagcagtat atagcaatta gatatacaaa   120

cactatcact agactttgca tacatcgaag caccctatat aaagtaaaca aacttgctaa   180

agcaaggaac atggatcgat ctgaattaat tcccacaata aatacccaca agagaaacag   240

aggctcgcac gtcatcatcc acggccatgt gacctctctc tctctgctgc atggatatat   300

ctttaccatg gagccggaca tcaagcatat attgccaa   338

<210>   30181
<211>   351
<212>   DNA
<213>   Glycine max

<400>   30181

acctcgcccc gggatctcta agtcagctgc aagctgtttt tttttcttgc taaacggcta   60

ttgtgataaa atgttgtata ataatgctct cattttctgt gtgtaattaa ggtcctccgt   120

ccattcctcc ttcgaacgtt gacctcatat gttgaaatag gtttgccacc aaaaaaggaa   180

accattctca acagtagcat gtcgcatatg cagaatcaat tttataaggc attactgcat   240

aaggatctgt acgtcgcgaa tgcacgagga gaacgtaact tcttctaaat atagcaatgc   300

tactacctaa atgctgccat cacccatatc tcttacacgg tgctgaacct g   351

<210>   30182
<211>   252
<212>   DNA
<213>   Glycine max

<400>   30182

tgaccttaaa gccactattg agtgatttat gttgatacag cgtcattttt aacatttatt   60

tcttaagata ctgctgatag atctatcgaa ataagatgtt tttagccttt cttttctata   120

ttatcttaac cgtcaataat ttactctatt tattgtatca aactattttg tttgctgtta   180

ctcagattct atcctataaa tgttattcta gttgaaattt gtacgtatta tctcaattac   240

tcgatttttt ta   252

<210>   30183
<211>   302
<212>   DNA
<213>   Glycine max

<400> 30183

gcaggatgct agcttgtagg attatggagc acccatcaca tgtggtacta tgtggtggtc   60

cggcgatagt gcacaacaag gctttcacat tcacaaatcg cgcctaaact ccccattccc   120

tgttgtccac cttcaactga actcacgtac tcccacatag tccatatgct cgtttctttc   180

aacaccgggt ccccattaat tctcccaagc ttccccaaca tccaggtaat acaacattca   240

aacagcacaa actatcacaa ccaagaagac aaggcaaatg cataaaactc ttgccaaaac   300

ac   302

<210>   30184
<211>   379
<212>   DNA
<213>   Glycine max

<400>   30184

cgtgggaacc agaggtgggt aatataatga agtgaccaag atcaatcaga aatcataacc   60

aaccaaaaac ataaataagt gataaccaaa atgaaatcca aacagtcact attcagaacc   120

acatagaata aaaacatata agactaaagt ccaaatacta aaagataaat aatgtgctga   180

aagcaataat caaaatatca tagccaaaat acacgactta taagacacat agaattataa   240

actaaattct aacaaggtgg aggtggtggt ggaagatcga aactctgacg aatgtaaccc   300

acatcttctt caagctgtgt gaggcgaata tccattccgg caaagcgagt atccagtgag   360

tcgaaacgtt caccaacat   379

<210>   30185
<211>   388
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30185

tagcttgtgt ttgtctctca tggctgatgt caaatctatg acatgtggat taaactcaac   60

tttaattgca aaaaaaaata attaaaggaa tatatattag tgaaacttca tcatttagaa   120

tataacttag ttttttctaac attttttctct tctgctccat taaatctctt ttacatttgt   180

cttttttcctc tttatattgc ctttatcttg tatcctccca cttcttcctc aagttaaaat   240

taagacaaga atagaaacta gaaagggtag agtttggatt tttgcaccat atatgcatga   300

tgcccttatt gacatgaaat cttcattntc accatatgtc taggtcacca aacaaatctt   360

aatattggtg tttttttta ctcggaca   388

<210>   30186
<211>   440
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30186

ttatcttggt ttatctggag gtgtaagaca ctggttttt ttcatgctta tcttanatta   60

tgtataaatg gtcaatttca ataatataag tataaccttg ttcattcagg attgtctaga   120

aaacatcgat gcagttcctt catacaattt tgtgtcatat attttgatgt tatttgttat   180

acaaagatcc ctcttaagct taatggaaaa tttaactgtg caatcatatg atcaatgttg   240

ctttaattat ggtgctgaat gttgggcaat taagggctaa caagagcata agatgtgttg   300

cgcagatgaa atgttgcatt ggatgagggg tcacactaga aaagataaga gaaagaattt   360

attaagagag aaattgtgag ttgcttttat acaggatatc aggcctataa tagcttggac   420

acaagacaag aataccaata   440

<210>   30187
<211>   349
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30187

cacaaccaaa ttttcacatt caccaattgc gcataaacct accaatccct ggtggccacc   60

ttcaactgag cttaagtact tccacgtaac ccataatctt cgttctttta acaccgggtt   120

cccaataatc cttccaaagc ttcccaacat ccaagtaatt caacatttca acaacacaaa   180

ctatcacagc caagaaaaca gggcaaaggc aaaaaactct tgccaaaaca ccaaccaaaa   240

tcacagcttt tctcacttaa agaccccagt aacaattcct tcatttcagg ttcgtaaccg   300

gttgatngac tcanatattt cactggaagt ctctagtaca taaacctac   349

<210>   30188
<211>   395

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30188

tcgagatgag gaagtgtaaa agggtaaaac ttcctgctnt tattctgttg accatagagt   60

ggtacctgga gatatgtcgc ggnggtcagg agaccttgag gacgtcaagt ggggtggtat   120

tgcccaaaac caagcttgac caatcccgac ccaacccggg catagtcagt cagtgagaac   180

ctgtgatgta cctaagcagg caagctcctg gcagtcaaca gataaaagga acaaagacca   240

caaagcaagg aggcttgtgt ggtggctggc cagctgtgaa tcttgtgtga tatatgggtt   300

atggcctctg gtaatcgatt actaagggtg ggtaatcgat tacaatgctt ataaatgaag   360

acaggaggct aagatggtct cttggtatcg attac   395

<210>   30189
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30189

cagctcgtcc cgggatctct aagtcaccga ggctgcagct tttattataa tggttttgac   60

ataaattaca tatctggaaa atctctatga cttttgaacc tgccgctggt cctgtcctac   120

acttaaatta ttcttctctt aatgcctggc attttttctg gtagaaaagt gggttttgac   180

cttacttcct tttgctattt aactggggct tagttgaaaa aggggcacat tacacattct   240

taaagttaag tgatttagnt ttctacatct gtatgtgact atgtgtggac taaggtgttt   300

gatgtactaa tgtacttctg ctgtcatcct catcctggca cataccttgt gttggtacat   360

gattatatta ctagcatctt agatgcctat aggcatgtga ttcccatcaa tta   413

<210>   30190
<211>   451
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30190

tcatgctatt gtaaggtntt tagcacanat tccaaatgag tgttgtgata atttcatata   60

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gaactatata tcagaatgtc attaaaaaaa aaaaccaata caaacttcct caagactccc    120

cttaatatgt cattcataag actttggaat gtagcagagg cattagtgag cctaaatggc    180

ataactagtc attcataatg tccatggtga gtcctgaaag ctattttata cctatcctca    240

ggtttcaaca aaatctggtg ataaccagac cttaagtcca acttggagaa aaattcagct    300

ccaaacagct catcaatcaa ttcatcaact gttggaatag gaaatgtatc tttaaccgta    360

atagaattca atgctctata gtcagtgcac accctccaag aaccatccct cttcttaacc    420

aanataattg gagaagaana tgggctctta c                                   451
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<210>   30191
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30191

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actaacctag aattaaaata acttaatggc attaacctan ggaattaaaa caaaattaat     60

ggctgagtgt aactgaaatt ggggcaacca aaagtcaccc ccaacagccc acaagtcagc    120

caccatttgg tcttccaaaa ggctgatgcc tangttgcca attgggccct tattacaact    180

tgaactacat ccctttagt tgattaaccc aaaacatatt tttggtcagc caactttaca    240

aggattgggc cattatttag acaaactaaa cactctaaaa ttgaaacaaa gtggtgtcat    300

ttagtcctcc tccatttggg ccatgataca actcacaacc ttggactttt ctccttgaaa    360

cttgggcttg tattcaaata gtatggacaa c                                   391
```

<210>   30192
<211>   431
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30192

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cgacaataac ttttgactcg gatgttctat ttgtcccgta gtatctcgag acgctagaaa     60

ttcaaaacag aagctattag aaaaatcaaa cgacgataac tttttacacg gatgtcccat    120

tgagtcccat aatatatcga gacgctcgaa attgaaaaca atagcactta gcaaattcaa    180

acgacaataa gttttgactc ggatgtccga ttgtgtcccg tagtatatcg agacgctcga    240
```

12592
```

```
attgaaaaca gaaactgtga gcaatttcaa acgacaataa ctttatactc ggatgtccga   300

ttgagtcgcg taatatatcg agtcgctcgt aaatgaaaaa agaagctttg aggaaattaa   360

gacgacaata acttttgact cggatgtccg attgtgtccc gtagtatctc gagacgctca   420

naattcaaaa c                                                        431


<210>      30193
<211>      395
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30193

actgaaatta aacactgaaa cataaatatt aaccccaatt ataaaatgta cttaaaacca    60

aataataatc aaagtggtca aaagaacaga aaataaaaat tctatcatgg gtcctgtggt   120

gcaaaagggt catcatgtgg tgcagaaagg gcataatcca tggcttgggc atcatcctca   180

tcctcagata gctctagcac aggcgtagcc accgtcgatg cttgcaaaga agacaactcc   240

agcacaggtg tggtcactgg taatgcttgt ggagtcatct ctagcgaatc cttcacagtg   300

tccttctgag cagttggatc aatctcttgg atgtctggct cttaataact angtcaacct   360

ctacaacatc tggatcatcc ttctgagtag cttct                              395


<210>      30194
<211>      447
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30194

tctgatagtt tcatgctntg atgatttgag cttctgccaa atggtcttgt tgttaatttc    60

gcttgatggt tgagatattt gatgcttgct ttggaccctt ggaagaagat tgagaaaacc   120

gatgttggta gaagatttct agaagctatg taccatggtt gcacctacat tntgatttgt   180

ttctatattt ttgttttggc cgatgtattt ttgacatgtt tagctatatt ccaatttttc   240

agattttatt ctcatttcct ttaatgttga tgtatatctt ctccaacttc cagcttgcgt   300

gggaggggga tattagagat atagattagt ttagttagtt acaagttagt tactagtatc   360

aattatataa ggtacaatgt atttatgtaa tgagagagtt ttgctcattt gagcattact   420
```

ccaatattaa ttagttctac cttttcc   447

<210>   30195
<211>   404
<212>   DNA
<213>   Glycine max

<400>   30195

tctgtttatc ataattgttc ttcagaatgg agaacttcag aacaaactca aacctatcat   60

gtcaagtaca actagcacac tttcatgttt tgcaagaagt tgtcacagag ttaaaggcct 120

tacttcaagc aactattttc ttgggatatt ttagacttgg aggaagctat taaagttaga 180

aaaaaaagaa gacctagttg tcataatggc tactttggtc tgtgggtcct atgaattgat 240

agagcatagg tgcaaaactt gagagagaag gtaggagata acctacactg tgtagaaacc 300

atattcatct tctttccgta ctacatatgt gctatgtagc ttagaatggt tgtggcaaga 360

gtgcatatag ctcagagctt taaagaagat tcaccctaat tagt   404

<210>   30196
<211>   404
<212>   DNA
<213>   Glycine max

<400>   30196

ttcgtcaccg cagcaacact gtagaaacct tactgcttcc tttatcgaca cctactggtt   60

cttttccgac taccgacttc ccctttattt cagttagtaa ttgtttaatt tcaactgaat 120

gtggctttaa attgaaacaa ttaacacaga ggtagcagag aagaagaaga caaatttggg 180

tttatttgca ccgcctagta gtagcagaca cagagaagaa gataaatttg cgtttgtctt 240

tgaaaggtta aatattgtat gttatataga agtactaaca ttgtgaaaat gggtcccata 300

tttttcaagt ttatctaata tctcatatgg tgaaattata atattgtatc atactgatca 360

cttcaataaa tgtcattata aaaaatatgt actttataat atat   404

<210>   30197
<211>   395
<212>   DNA
<213>   Glycine max

<400>   30197

agcttctata gttagtcaca tcataatacc atttgctttg ttgaacgtta ttgtaggaac   60

caaatcaacc aatggtgttc aagcaaaaga aaatgttagt tgagcagatt atatgcagca 120

ggcacatcgc ctcattttac cgcctactga agacaataaa agtgttacaa ggaggaatga 180

aagatggaag aagccattac caaagccaaa ttaaaagcaa actttggcat tggaaccatt 240

attaggacca ttagggtgaa tttttgacag cagcaacaaa gtttatgcca aatcttatag 300

tatcagagtg gaagaatctc tggccttaag atggtgtatt gaagtcatgt aagaaaggac 360

caacactgca ttacacatat tgtgatggca ttatc 395

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<210>      30198
<211>      431
<212>      DNA
<213>      Glycine max

<400>      30198
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ttagccatga tatcttgatt ggaacataat tttttcttct tttgcttgtg tgctctaagc   60

acaagaacta aatcttaata atgaagaagt atgttaatct taacttattt accttggaga 120

atttgaattt tcttgaaata caacaaatta tactagaaga ggggttgaat aatgtgttag 180

tcaaaatata aaatattttg gaagtgagag atgttataat agacaagttt atagaaccat 240

tgtctagtga caaaaggtga actatcatcc aatgagatgt aaaactttgt ctttcagtaa 300

aaatcttgtg tgtaaggtgt gacaataatg gacaatgaaa tattttataa gttaatgaaa 360

aacagtaaaa atactttgtt ttgtactagt tcactcaacc taagttatgt ccaattttcc 420

tttaccaact a 431

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<210>      30199
<211>      381
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30199
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agcttgtatg atgtcgagcg tactgatgcg taccatgaga tgtctgcggg ggtttaaccc   60

acatgggcgc tgtcataccc taatttcgtc cggggacctt tgcttgatga catgcgacct 120

ttctttggtc cttgtgaggt gcttggcatc catcattagg caatntgtga aattccagga 180

cataccgaan aaccaaaaaa atattgatgc acaatccgta agtttccgtg acaccccgga 240

```
aatcaaatgg aagcatcgtt gcataattaa gtgaggttcc gtaacattcc gtaagtcaaa  300

agggggatga ttatgtaatc cgcaaggttc cgtaacatta cggaaagaaa acaagtatcg  360

ttacgaaatt cgtaagtttc c                                            381


<210>    30200
<211>    439
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30200

tattcaattg cttcagattg ttgcacagaa tgtgtttatg tctgtgtggt ggtcgacaga   60

ggagcataaa ccacaaagtc tggcgacagg tgcaaatttt tgattcacgg ccagttgggt  120

taccaggtta accaaggcat ctagtttacc ttcaagcttc ttagtctcgg ctaatggaga  180

tgaattcgtg gctacttcat gcactcctct aatgacaata acatcacttc tagtactaaa  240

ttgttgggag ttggaagcca tcttctgatg gaagcttgct tgtggggctt ctatggaggc  300

tggatctttg agcttcaatg gggtccttta atggtgattt tccaccatgg agatgcagtg  360

gaagacaaag gagaagaggt gagaggaggc gccatccact anggaataag ccatggaaga  420

aggagcttca ccaccaaga                                               439


<210>    30201
<211>    421
<212>    DNA
<213>    Glycine max

<400>    30201

agcttctttg agcaatgaca aacaaattcc acacaaacaa cataaccttc tagagacaca   60

ttaaagagag tcatcactag atctctctac ctctatcttt agttaaagca aattgttcct  120

atgttagata tatttggaca acatagaggc agctattttt ccttacctag aaaaaaagaa  180

aaaagatgaa gtttaaacta cagataaacc acatgtctaa aattagtttt tagcataatt  240

taaaatagaa aactatatat tattccgatt gtaagcaaaa tgagtcttta gagcctcaag  300

gcactacaac acaggcacaa taaatttaac ataaaaattc acaataaaaa ttggcttcaa  360

agccaagaaa gaacaaagga aaaaaaagaa caaagtttca gcaatcatac ttgggagtat  420
```

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<210>      30202
<211>      429
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30202

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ttctcaagga gggtggttga gtttcattct gctaattgtt cttgcaatga tgttttggta   120

cacggngtta cttctacaga ggtgtatgaa caagcatcca ctaatcaaat cttaccctga   180

cataggtgag gttgcatttg ggctaagagg aagagctatg atctctacat tcatatacat   240

agaattgttt ttagtggccg ttgagcttct gatattggaa ggcgacaatc tagannaatt   300

gtttcctcat atgaacttca naattggtag ccttagaatt gaaggtaaaa gtggttttgt   360

ggtgctagct gctntggtca tactaccaac aacattggtg agaagttngg agctttggct   420

atgtttctc                                                           429


<210>      30203
<211>      417
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30203

agcttttttag ctttaagaac tttttccttt ntacatgccc aactctttga gtgacatttg    60

tattgattat tgcatcttag tctttatctt ttcatatgta catcatgcat catcatgtag   120

aggtaagaag attgtttcta aagttaaaaa aattntcaat gcataaaact ctctgttnta   180

atcaattaca aggctaatcg taatcaatta cacaagtgtt tgtagcttgc agagatattc   240

tagtttcagt ttaatcgatt actagttaac cataattgat tacataaatt agttgagatc   300

atgtttgatt tttcacgagt ctctgtttta atcgattact agatgatcat aatcgattac   360

tacattctta aaggtgttcc cagaagtgat ngagaactct ttaatcgatt acatcaa     417


<210>      30204
<211>      391
<212>      DNA
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<213>   Glycine max

<223>   unsure at all n locations
<400>   30204

ttatcntttt atattggtat accatgctac agccgctccg gccaagctgt cttgaaagaa   60

atggaccaat aacttttcgt ccgcagaata cgccctcatc tttcggcaat acattcgaag   120

atgccctttc ggacatgtcg tccctttgta cttatcaaag tctggtactt tgaacttagg   180

agggatgacg atgttgggca cgagacataa gtttgctaga tccgagaatg ggtaatttcc   240

gaggcccttt accgctctca gcctctcctt aagcgcatca atctttccct tatcctctgc   300

gaagggaaca tattcgatta cgggtgcggg tgaagatggg acgtggcgga ctatgtntgg   360

ttggngtagt tcatggnggg atggatcttt g   391

<210>   30205
<211>   363
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30205

tgaaaggata atattccggg taagtttttg ctattaaatg tcgcgtacct ggaactattg   60

gaaggatgtc ttatatatgg cataagagca attttggctc aagtaaaggt gtgaagttga   120

gtctaggttt gtaaattaag aaaattaaat aatatactcg accaaatgca ggaaatatta   180

cccgtattgt agaaaaaag ttccttaaaa aaagtccgtt cactatagta cgtacatata   240

antttgatat atttaattta gtgaatttct ctggacttga actcataact agccagatga   300

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tgc   363

<210>   30206
<211>   407
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30206

tagcttgtat gttagagtag taccacagga cgttgataaa acaaaatact aaagacacat   60

aattgggaca ttttactcaa ctatctttga taactcttcc tatcccgagg atatgataat   120

ggagcatctc aataacaaat aataatggca tatgatagac ataagtgcat gcatgctaat 180

aatttaataa tttcatgttt taatgtgcat attgataatt gtgtgattag taaaatcaga 240

tacagttgta aactttcaca ctctgactca tgagcaccct cattcccact atttaattga 300

tagatcccct ctaacaaact gtctataact atntgtcact tcccttctat cttanatgag 360

atggctcatc gtctcccccc ccccccttca tgctctagag gatacaa   407

<210>   30207
<211>   417
<212>   DNA
<213>   Glycine max

<400>   30207

gcttgaagaa gtttgacttt actatcctaa ctcccttgag tggcattcgt attggttgtt 60

atcttgtatg ttgcatctta gtacatatga tatcgtattg catcatgtat catcatggtt 120

agtgtaaaga aaagtttctt caagaggcaa aaaatctttg ttttaatcga ttataggttc 180

attgtaattg attacgacat gttgtctaaa gcttgaagag ttgagtctca tatcggttta 240

atcgattaca ttggtgtttg agacaatgat tgatttattc aagagtctct actttaatcg 300

attacgaagc ggattaatcg attacttctc gctcgtctag tagttcaaaa gtgaacaaaa 360

acactttaat cgattactta gagcatctaa tcgattacat tgttcttgag ttatttt   417

<210>   30208
<211>   386
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30208

gagagatgaa ggaccacgat ccagacagtt cgagagattt gcggagcgaa gatttgcaga 60

gaccagagcg cgaacaggaa gccgccctga gagccagaga tgaggctgcg agcgactgag 120

aggccctaga cgcggaagag acatccccac aactagtacg acggcaaacc gtcaacctct 180

acactcccgg ttgcaaagga agcagactag ctatggaaag ccaaatcctc tgctggatct 240

cccttgcaga tactngatgg aaatagcagc atatctagac aacgacaagc gcatgatcac 300

tgagctatca gaacagcata ccgccatgct actgcctaga ccacgtagat gcatgggctg 360

cgaagattat acaccagtgc aaaccg

<210>   30209
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30209

cttctacaga atgatgaaat ggattcggct cttttatnat gttcttatgc agntttgatc   60

tgcagaatgt tttgctattn tggtgttgat acccacgagg aagttgttgg ttttgttgag   120

gtagagtttg aagtgaagac caaagttttg aggcagatgg tgtacatcaa gtctgaagaa   180

gctgggttta atggattgag aatagtagaa aagatcaaac agaacaagaa gatacagaaa   240

ataagcccct aagcctcttt gagcagatga tgttagcaaa gatgcatgag ctcatgagga   300

tacatgaaga agactatgct aagcttaagg agtgctctga gtatattgta gaagcaagct   360

tcatgatgaa tcaagattga ttcanggagt tttgatgatg acaaagatga tngacataag   420

ctcacaagta aagatcactt catgat   446

<210>   30210
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30210

tgaaatcgaa ataaggatat ttgcgactca atctaaaaaa taagggagag ntgtctgtta   60

cgcgatgact ggcccgggac ctaaacaacc gaggcacaac caggtcttta gctccacaat   120

gcaccagggg gaatcatatg caacaatatc cgacgccatg gaatgaccaa gacaaactct   180

aacccaccaa acaccttttc taaatgtaca aagaccaaac tacccaaccc tgcctctcat   240

agctacgcta ccaggataac taatacacta gaaaccaaag acaacgaaaa caagcccaag   300

tacgaaaaag ggaccttgca tagaacgaac aatgcaccaa taaacccatc cacgaacgaa   360

atgatataat gaaaacacaa gaaacccacc attcccaata cgaagcaagg aaacaagcac   420

ataatctaac gagaaatacc aaaagcaacg   450

<210>   30211

```
<211>      490
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30211

gaacctaact atttaagaat ttcattataa anaannnnnn nnngaggaat gatctctaac    60

acaanaannn gnnnggaggn aagnaacgaa gcagagcacc ttgtttattc tctgcaacta   120

cctgaaggat tttttgtgat gacagtatac aatgttaccg acttgacttt gagtgccatg   180

gaatgataaa gatccaactt tgtattcacg gtggaataaa tggtgttaat gagaaaaaat   240

tgattgggtt gaacaactgt agtttattgt tgagatactg tcaatggtct atggatattc   300

ttgatgcttg gctccattgg ggcctcaggg gaagataata gatgaagctg ggaaagtgct   360

cactatggag ctaaataata tgcctagttt tgaacacgcg atcaatctgc tataggttat   420

ttgttgcaac tgagaaagag aaatgtggtg acaaggttta ccttagatca ctactactgc   480

atagtattgg                                                          490


<210>      30212
<211>      566
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30212

atacaacgga gtagtaagaa acagtaaaca cagtgaaaaa gcacgagaga tanantntna    60

annannntnn nnnnnnannn cnaannnnnn nngaaggaag gactgagtcg tagtanntnc   120

gncannnncn nnaannnnaa nnnannnnaa nggnnnagaa nnaaaaagaa naaaaaaaag   180

agaaaganga aantatttat agattatgag taaagaaaag aagaagagga aggaggagga   240

gagtatagaa tagaaaaaat gaaaaaatga gaagaganga taaagaaaaa ggaaatgaag   300

gaatagaaag aaaaaaagag aaggagagaa gggaataaag aaagaaagaa agaagggagg   360

agagaaaaga atgaaaaagg aaaaaaagga aaaaaaaaga aaaaaaaaag aaaaaaaaaa   420

aaaggaagaa agagagaaaa aaaaagagag aaaagtaaag agaaagaaa agaaaaagaa   480

aaaaaagaaa agaggaaaaa aagaagagg aaaagagaag agaaaaaaaa aaaagaaaag   540

ataaaaagaa agaagaaaaa aaaaaa                                        566
```

<210> 30213
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30213

agcttatgac aatttgaaat tctcgagagc tttcgaagat taattntgag cgtctcgata   60

tattataagt cttaatcgga cctacgtgtg ataagttatg aaccatttga atttttgaga   120

gattccgttg gttaatttcg agcgtctcga tatattatgc gcctgaattt gacttgcctg   180

tgaaaggtta tgaccatttg aatntctcaa gagcttccgt tattcaattt cgagcttctc   240

tatatgtgat gcgcctaaat tggacatccg ggataaaagt tatgaccatt tgaatttctc   300

anaaggttcg gtagttcaat ttcgagcatc tcgatatatt attcgcctga atctgacatc   360

cgtgtaaaaa gttatgacta ttttagttta tcgggagctt ccgttttc   408

<210> 30214
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30214

gtgtatggac catatcgtag ccaattgtgc tcatcgataa tggntccagt ttaaacgtga   60

tgcctaagag cactttggag atattaccat tcaatgcttc ccacctaaag ccgatttcaa   120

tgatggatcg tgccttctac agaacccgcc gagaagttaa gggagatatc gatctcccac   180

tacagatagg ccctcacacc tgtcaggtta ccttccaaat aatggatatt aaccccccctt 240

acaactgtct gttgaggcgt ccgtggatcc tctcagtggg agttgttcac tctacactcc   300

accaaatgtt gaaatt   316

<210> 30215
<211> 302
<212> DNA
<213> Glycine max

<400> 30215

ttgtgtagga tggatctagg atatcggatt aaatactcat gcaaatcaac ctttcgtctt   60

```
caacactaaa ttagggaaaa ctttctattc atcttgccca attaagaaga aacctccaat  120

aaccgaccaa tgatgatagg aggaaaaaga gtgtggcctt ggcagaaaca tcgaacacaa  180

ctttactcac gatggagtga gtccgacccg tgtcatgatg tgaacaaggc cgatgtgggt  240

gagatatgga tagatgccca tgggggtgtg gcttggattg ggttgggtgg ggcattttga  300

tg                                                                 302


<210>      30216
<211>      392
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30216

aaaaccatta aataaaagct gagtgacaaa atattaaaaa tactttaatt tatttaccaa   60

tgcttttctt attgaaatta gtagaaagca ctccccatat gtcagtgact tcaaaaaaat  120

ggaaccacat aaagaaaatg agagtaattt tggatcttta tctacctata ccaattggat  180

tgacattatt caataattta aagttactaa aaaggttcta ttcaagacct ttntccactt  240

caatagactt ccttgttata aatataagaa aaataactga tttacatagt cgacatcgtt  300

taattatatt aatcttatta aagagtaatt tttntcaact attctgtatg gaacttntat  360

tatgtataca aaaatcatta aactaatact tc                                392


<210>      30217
<211>      325
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30217

agcttttatt ctaattgcta agcgacagct tattcgtggc taagcgtgac ctattatcgc   60

caagcacaat tccttatggc cataattgag gtccatgacg ctaagtgcca gtcatggcag  120

ctaagcgaga ttcattgtgg taatatgagt gctaagcgag tccctctcat ctaagcgcat  180

gctcctctgt acttaagatg catcatttta gctaagctgg ccagagcctg ncttagcgac  240

agttgcaact tttctaatct gtagaccttg ctaagcggaa gaatcaatgc gctaagctaa  300

gccttttctc ccanaaaaaa aactt                                        325
```

<210>   30218
<211>   345
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30218

agcttgngtt gngctaatga gngaaangan ngaccaaagg gaagacaaga gccatatcta   60

cggtaaattg cgtgttgacg ggtcaaatat tgattcggcg gagttctagt tgtaaaacca   120

gttcatgaaa gtttacatta atgttataga cttgtgtgag atgagagttt gctccaaaat   180

taccctattc tcattttcac ttctcaaacc ttgaaatcca ctagattgac gggtttata   240

tacctacatt ttgagttgct ttggtctgaa gcttgtctct ggtttacata tgatttatac   300

atgactaacg acttgtagga tccaatctac gaaaatatgg atgat   345

<210>   30219
<211>   98
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30219

tcatgcgtag ctaccatgcg tttaagggca ccaataactg ccttaccata atacgcatcg   60

ccatgcactc atctgagtac tgatgtactc attaagcn   98

<210>   30220
<211>   384
<212>   DNA
<213>   Glycine max

<400>   30220

cactggccat cgtttacaac gtcttgactg ggataaccct gtcattacac cgcttaatcg   60

ccttgctgca catacccctt tcaccagctg gcgtaataac gaagaagctc gcaccaatca   120

cccttcccaa catgtgcgca ttctgaatgg ctaatggcgc ctgatgcgag atcttctcct   180

tgctcatctg tgctggattt cacaccgcat atggagcact ctcactacta tctgctctga   240

tgccgcatat ttgatccaga ccggacactc cgcgacatcc tgtgacgcga atcctgtggg   300

gaagcaggca tttaaattgc gatattgtga gcgtatataa gattaaatat accgtattct   360

atttgtgaga tatgaaggat aatg   384

<210>   30221
<211>   407
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30221

gtgcngatat gagaggtgag cgtgtctatn tatcataact ctgcactgga ccgatgtgag   60

ctatgcaacg accataggag aaatgagtgc gagaaatgag acgatacatt tactgccgac   120

tatgctatgc gctacactga gtacaagact ggaatggtta tgaccatatg caatgtcgat   180

cggaccgttc tgttgtcact ttcaatcgtc tgtagttatg aggcgctcta atatggtcac   240

actggatata tgttgtgacc atctcaatag atccattatg ccggagcacc atgaacgata   300

cacatgatat aataatactg cgaatctgac gcactctgca taaggtaaga ctcatttaga   360

tatatgagag cgcccacatg actatgtaca gcgattgatt cagagat   407

<210>   30222
<211>   496
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30222

aggcgttcat ttctctgnac acancncann natnatcgtn cccgggatac actagagngg   60

ancngcatgc atgcatgcaa actttattgt gtttcaacac ccagcgncaa aggggggaggt   120

cctataattg catatacttc ctccccccac gaacctagca ttttccgcac aaaccatcta   180

tggaaaaaag atcatattaa actacaatcg ctaacacaac aatggtgtga attgattcac   240

ataacacggc gattcgcgaa agttgcagag ttctggaaaa cctgtataaa cacgatcatg   300

tgcgttagaa cggcacacac gtgtatcatg aagtttaaat atccttgtat acgcacttct   360

gatataggcc catgatgaca agcttatttg gcatcagttc tatatgaact ggtggaagaa   420

atgcgtgctc attgcaaaga agcggcacta ttattgcgtc tgtctattgc cacgtgaaca   480

tattggttaa gatacg   496

<210>   30223

<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30223

cgcatgctat ctttcttgtg ccatacctgc acacgcgaac atttggaaag ttagtttttg 60

tgggacatat actcttaagc agaaatggca tataacctcc tcccataaat acaaacatca 120

atgtatattt agagcaagct tatgtgcatg tttccttacg aacgttcact tgcggaagat 180

atcctattaa ccgaaaaaat gcacccatat acaatcaagg cagctntgtt agctagatta 240

tttacacgta cttccaaggt gtatttgtta ctacatcaca cacatctcct tggctaaatt 300

cacatacatg catactccaa gcatttgggg taccaaaaat tgcacatgtg cacatcttgg 360

tatttctaat acctatacat acacgaactt catgatgaat cttgactatc tacacaata 419

<210> 30224
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30224

tttctcgctc tccaccctat gcanacccgc cacgtgccgc taatagcgtg tcctcgtcaa 60

cgtaccggca aggaattaca accatatatg agacccaccg aagaaactac ctctccgaat 120

ccaaacttcc ttcgcttgta gtactgccct aattccccaa attcgggtct gtgctatttc 180

ttttttatta ttgtactttc ttctcagatc ccggaggcct cttccctccc tgtctcaaga 240

gaattccccc gattttctcg agaaagtgaa acggaattat gagctttcag gacatctaag 300

ccgggcgccc cttcggttcg aggcgcgggt ngatgaatgg gaagcaagac cccacgcaag 360

<210> 30225
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30225

agctttgttt aatttgtttt gacaataact ntatacacgg atgtccggtt gagtcccgta 60

atatatcgag acgcctcaaa tttagatccg aagctctgag aaaaattgaa ttgacaataa 120

```
ctttatacac ggatgtccag ttgagtcccg taatatatcg agacgctgca nattgaaaac   180

ggaagctcgt atgaaattca cacgacaata actntntact cggatgttcg attgaatcgg   240

gtaatatatc gagacgctca aaattgagac tagaagctct gagcaaattg atatgacaat   300

aactctatac acggatgtcc ggttgagtcc cgtaatatat cgagacgctc ccaattgaaa   360

cggagactct tatgaattca aacgacaata acttttact cggatgcccg acagagtgtc    420

gtaatttatc                                                         430


<210>      30226
<211>      495
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30226

ccccaccan nggggaattca gtcangacat cgnnaataac atcgacccgg aactttgatg    60

acctgaggca tgcaagctta cttctttntt agtaatgacc cactanccta gagggaatat   120

acttaatggc cttaaccta ggcattgaaa aaaactttat ggctgagtgt aacttanact    180

tggtgcaccc aaaagcaccc ccaacagccc acaagtcagc caccatttgg tctccccaaa   240

agctgatgcc taagttgcca attggcccct tattacaact tgaacttaac ctaactaaaa   300

gccgctttaa ttgattaacc caaaacatat ttttggtcag ccaactttac aaagattggg   360

cccatatttt aaacaactaa caccttctaa aattgagaca acatgagtaa ttagatcctc   420

tccatttggc cctaaaaaac tacaaccttg acttttctcc tagatactgg gctggattca   480

aatagttgga caccg                                                   495


<210>      30227
<211>      392
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30227

agcttgattg ctttctttgg ctgaccctaa tatatgttac tcaaccatga aacaagtttt    60

gttggataag catgggcctt gaaccaagta atttgatgca actatatcga gcanagagaa   120

aagtcatgaa atactagagg ggtcatgcat atcctataat gacttgctgc ttggctctat   180
```

```
cagtaataga aacaatcctt ggatatagtg aagatagctg taaaccaagt ttgatttgat    240

ccccaattta aaggatattc tttgcttgat gatataaaaa aagattgtga agggtgatcc    300

catggtcaga atgatggttg catttaaatg tcttatgggg aatctattat ttatgtgctc    360

ttgtgcaaca gggttgtccc tttgtattga gt                                 392
```

```
<210>        30228
<211>        463
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        30228
```

```
agggaggtga aactagtanc nctgcgcaca anatacacaa gcttatcaca tgtanctgtt     60

ggcatgacat tngaagggaa gaagcatttg tgttttggag tacttngggc cactatgtga    120

tgccatggca aagtcttggt gtggcccctg ccctcaactg gcatcttctt ggcagcaaag    180

tcaggtaatt gttggagaga tgtggtgact atgccctgaa ccctccactg tatgtcttga    240

ctcatggcct cattcaaatt gtgacaacag gccccataag gtcggattca tgaacaccct    300

ttataaaacc tagctggagt ttgtcattgt caatcacttt attactctat gaagagttta    360

aaatcagcgc ttctctatgt atcttcttag taagtttcct ttcttgcaat ttgcatagga    420

cctctatttg tggcggcccg tctctccttt gcttatatgc ttg                     463
```

```
<210>        30229
<211>        403
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        30229
```

```
caattatgaa aattaatttt tgtgcgagat ttaatgttgt cacatgagct atacttattg     60

gataaagtat ataagtatac tactaattac tcatacaaca tctaaattaa taaaaaagat    120

tgcagtgctt atataataat tattagaaag atatatnaag agattaataa aaagatgtat    180

taggttctat tgatagaggt atactaataa aaaaatacaa cgaaattcat tcagcatcgc    240

tatttttttt ttaaatttag aagtatgaaa tgaaattaat ctcttttgca ttatacagta    300

gaaatatata aaaaataaaa taattatttt atttatgatg gctcattcta gtgtatttca    360
```

cttaaagttt ctccattgaa atttctctta ttgattctgg atc   403

<210>   30230
<211>   489
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30230

gtgctgcgtc gtantctaca cnaaattatc taagctttga gatactangg atntgatgaa   60

gaaattgacc ttatctcatt ttttgaatga gggagcgaca atcggatgtg gattttagta   120

tgttgatgtg agtcctttgc tacgtggttg gggatcaatg atgaatgatt tttatgaatt   180

ccgacctcga gacattagcc attgattgtt aatcatgtcg tcctcatacc aatgtgtgtg   240

gaggagaaat cctatattgg tgaatttcac ccttaggtcg ggagtatgta ggtttactat   300

attctctttt aggtaatgtt acttgtcaac tgcattatat acttgcccta agcctttgta   360

gcaaaatgtg gcaaatgcac tgatattatg caagtcctat ggtacaatct ttaatattca   420

tcggacttga tgatttggtc ccttcccaat ttatgacgag gtttggcatc ttggcgagac   480

ttggtgaan   489

<210>   30231
<211>   474
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30231

aggtcttctg tcnctcgaca tncnannanc natnatagna nngnggacnc tccggaggcg   60

aaccgcgagg cagcgagccn ggcttttttt cttttttttc aagccaaaac tgagggggat   120

ggggccctat acctttgaca cactcaccga cacctaagtt ggtaaccaat tatggcacgg   180

ggtgaaaata actgggttca atctctatat cctatatttc ctccataacc tacggggtgt   240

aacatgaccc aggatttgga attgactttg tttgaaactt aatctaatct gcaaaatgtg   300

tctctatccg ctaagccttg gatggaaaac cctgcatctg gtattcaaat attttctaaa   360

gataaatttgt ttcgcagtga cctcaataat ttattacttg gactttaccc ctttatccga   420

actttttttat taaataaaac tcatactttt attaaattat gcactatata gccg   474

<210>   30232
<211>   591
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30232

```
cagccccgat ggacatttgc ccaggttacn ngncnacnna tcagngcngn aannnanatg    60

ctatggnnac cgcggcngga gcgcgactcn ctagtacgag ccctggacac gcgataggcc   120

antgccanan gcanttgnaa ttttntnatg ntatancagn nacaccacgc cctnncgngc   180

gggggacnac gtggtagttg taatactact actcctctaa ttaattgaac attcttggag   240

ttcgattcaa tttagaaata aaaatctacc aaatagagaa atgagatcta tatatttaac   300

tatactttc agaaaataca tgcactctaa taggcaccaa agactatatg ctataccact   360

cctaaatcta caattaaagc tacgtagaga agctaataaa aaaactttat attcaataga   420

atgcgaatct tacattaaat aatcatacta atggatgaca attatacatg tgtcattata   480

taagatctta cgaatttaaa atcacctcaa tatatatccc gagaagtcat atctacaata   540

tcccgggtta ttaaagttac ctattggggc tgattatacc cattctatcc g            591
```

<210>   30233
<211>   395
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30233

```
agctttatct actttgatgg aatgaatcca tatggcaatn taagcactta acacaattca    60

tggccaattc tactagtaat ntacaaattt tccttccttg gttgtgcatg cagtgaaaat   120

acatgatgtt gtcgatgatg atatcangcc caagacagcc aggaaatgac attgatgttt   180

atctaagtcc gttgattgaa ggcctgagaa agctgtggga cgagggggtt ctagtgtntg   240

atgggtttca gaatgagact tttctaatgc atgcaatgct gttttgtaca attaatgact   300

ttccagcata taggaatttg agcagttaca gtgttaaggg tcatcatgca tgccccatct   360

gtgaagaaga cacaagctac atacaactga nacat                              395
```

```
<210>      30234
<211>      422
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30234

agcttcatta agtttcaaga tngattcaaa gagtggtgag gatatcaaag aagatgacta    60

ancgctcata agtcaggaac acttcatgat aacacagctg atgatctcaa gaatcaaaga   120

atgagtttaa gattgaatca tgtacacttc aaggatcaag aggaaagttg aattcaagaa   180

tcaagtttca agattcaagt tccaagaatc aagatcaaga ttcatgactc acgattcagg   240

aattaagaga agactcaatc gagataagtt ttaaaaagtt gtttttaaaa aataaactct   300

gaatagcaca tgaatgtttc tcaaaacctt ttaccaaaga gtttttactc tctggaaatt   360

gattaccaga ttattgtaat cgattaccag tagtaaaatg attctcaaag aacattcaaa   420

ct                                                                  422


<210>      30235
<211>      115
<212>      DNA
<213>      Glycine max

<400>      30235

atgctctatg tgcgcactgt gctatcaata ctaaattcta gtagtgcctt tgcctcgatc    60

acgcacatgc gtgctaagtt aggagcattc aacattgggg aatagtttga tcctt        115


<210>      30236
<211>      358
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30236

agcttgactc gctcatatta ncatgannat ctactatgcg agtaatttat tatctatttt    60

ccatctgcca acactcatga atagatatcc ttacgacccc actaatcctt tatatgtttg   120

acttggaaag caatttggaa cgccatttcc agtttggtcg aaagattgaa gacttgatgt   180

tcactgatgc acctgaagag ggttgtgtgt ataatgcttt ataatccttc atagtttcct   240

gctatggcac atctagtcat gtctagaatt ctatttatga aacaatctgg ttgcaatgtg   300
```

tattagttac tctggttgaa atcacgaggt tctagatata gatggcggaa gagagata 358

<210> 30237
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30237

agctttttta taattatcat cctctgaaat cagntcagag tatgcaagct gccaatacca 60

tcaccaaaac taccactcac cacaatcaca tagtgtatac aaaaaaatta tagaatataa 120

ccgctatcaa tctttcccaa tgtgttacta gataaaatta ttagcatgtt tagattacac 180

gcaagaatca attctaccct ataaataat ggtgatacca tggaaaagta taagcaacta 240

tttgtggttt tgccttcacc atgaaaaaag tagctgttcc tagtaaagga cagtaggata 300

acattaacat cagaaaggac caaagtcatt agcataggac caatattagc atcaagtttc 360

cccttgtatt tcatacacac agagagctgt aggtcttatt tggtccgcat caccctttgg 420

ga 422

<210> 30238
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30238

gctataacac tcactcaact attagtatga aagaaataan tcttgctgat atcncgaaat 60

actcatgatt gtgtatgtga ctntaaaagg tcatgtgtgt gtcagtcact ttaaaaggtt 120

atatattttt ttttatttta atgtggatca ttcagataat agacacatgc accaagcatg 180

aacgaaacta gaaaaatatg ttaagggggc aaaattttaa cacattatan acaagattaa 240

aaataactaa attttaatta tttattatct aaaatgtagt ttaataaata tgaaatatta 300

aataacatat aaaagtggct atnattacct ttaatgcaag attatacgga aattgttgaa 360

atttgtggta taggcacatg gtggaataga tcaaaaccat tgttttttctc taaaatgtgt 420

gtttggttct acgatggaga attatttcca atttatatt 459

12612

<210>   30239
<211>   381
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30239

tcttctttnc ttaagtggta tccggcatta cattgagact cgatccattg tcgataaaca   60

cctttgcgac aacatggtcc atacactgta ccgacacatg aagagccttg ttgtgtcctc   120

tcccctctac gggaatctct tcttccacag acgcgatata attgatggtg gttatatgat   180

taatgatgcc ttcaaaaccc tccattgaga tatcgtgcgc tacatgggca tcattgagga   240

cgtttatcaa cagcgtacga tgaggctcgg agtttatgag cagttcaggc aacgacatcc   300

ttgctggagt tttattcagt tgctcgacta ccttaaactc gctgtgttgg atgacgcgaa   360

agaactcatg ggcctcttcc a   381

<210>   30240
<211>   528
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30240

cgggccctcc ccnnnnnnnn ngngttggaa agtcangnan cgncncnctn gatnaatnng   60

agcgnagctc ccgtggagcc tcttgagtcg atgtgcacgc atgtttgttt cattaanagg   120

cgtctcgcac actcgggagg tggtgattaa gatcacaacg gccaaatcat ggccgctcgt   180

atagtgaaga tgcatacctt atagcgagat gattctgcgg taatcgaaga ctcgtcatca   240

tcctatcgca gctccttctt gatactaatt ctaagagcat cacatagaaa gcttctccat   300

aatcatatct gagagttctt tgacaagcga tctcaggaag ctattttgcg atgctagagc   360

cttatcgatc ctcacacctc tatcaagtat atgaactacc gctggaatta ttctcggaaa   420

tgaataacga caccatgtat ctaccgtcct acatcatcac gtatgcaata ctatctgtat   480

attctcgcgg tgtacatcgc acacacactc tccgcatact gtggaccg   528

<210>   30241
<211>   375
<212>   DNA
<213>   Glycine max

12613

<223>   unsure at all n locations
<400>   30241

attgtgcaag caatcaatga agcaaaacac accaaaagat tatgatgatg gatgactcaa   60

atgctcacaa atgtgaactt atcagtgttc aagtgagcgt ttcaatctat catgacatgt   120

agaggcaaaa caaagatttc agatcgcaga atgtcatgag actattatct ccagaacaat   180

tacccatttc ttgagcatat gctacagttc agagaaaaat atgcatagtt gtacatacaa   240

acanaattga cctaaaatat taaactagag acccaacaga actaacaaat ttaacacgaa   300

cgaaactatc agaactagca aaacgcaaac caatgacact cccccccccc ccatacttaa   360

tacacatggc ctaat   375

<210>   30242
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30242

tttcatcaat tcacaaacaa atctttgagt gatgcacttg aaatatttag aggattgttg   60

aganagatgc ctactcatgg ttttttttgaa ccaatacaac tcaacatatt tatagatgcg   120

ttaagaccgc aatctaagta gcttttagat gcttcagctg gnggtaagat caaaatgaag   180

acccctgagg aagcaatgaa nttaattgaa aacatggttg ctagtgatga tgccattntg   240

agagaccgag cccacatctc aaccaaaaat agtttattgg agcttacatc acaagacgct   300

ttgttggcac anaacaagtt gttatctaag caactggagg cactaacaga anaacttagt   360

aagttgcaac tcagcttcat tttgcacaaa cttcacattt tt   402

<210>   30243
<211>   530
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30243

caggtagtnc cttgaaaantc gtcgacacna nacatatact cnagcttcta tatcagctga   60

agccgtggta tcaataagcg acaagttgag tcttattcan attatgagag ngtatctcgt   120

```
ttatcttaag tgagaggaga ttctcccgag atatcttgag tgattgcaag aacacccttg   180

gctgtatgca aggactttca caacctttgt gagttgccct cacttggaag agtgattgtt   240

ttcctcgctt tcgatcatca cgccttggtc tttcagacca caattccaga aaatccacct   300

cttgccagaa ttatctcggg gccataactc ccattttacg cactcaaatt aagtgattct   360

tgagcctaga ttgaatttca gaacgagacc tttcacctgg gtgtaggaat cacctcattt   420

ggagccctgt agctgcaggt attgccattt ctatatttct gtgcagccac cacttaacct   480

acggtgtacc atcccattca tgcatgttat gccaagaacc accttattan              530
```

```
tgtatctttn tttcttgctg cccaatgcat ctagtagtcg ctatttcagc tgaaatggaa   60

aagcaaccgc ctacttggga aaatgtatat tgttcccgat gaagacgacn gagacactgt   120

ctcgtctgtg tcagaacttc cttgctgtgg catcctcaaa gactgtctcc gtctgtcaca   180

ctcgactcac accacaccca attgtgataa acgcgctgct gtaatataat tangggtgct   240

ntaatatttn ttttattaat atgattgaac caacaactca catatactac ctaactgaga   300

gaattttgat tntgaatntg aatttcaaca cataattagt tgaattttaa ttagataata   360

tattattaga tctgtttatg ttagttcact attgatcggg taatac                 406
```

```
aggagtgcat cncctangat tngctgcaca nanaatacac aagcattcgt atgatcctta   60

ccatgattnt gtccttgtag ctcccttaat caatttctta agaatatggg caacaaccac   120

tttggttaat ttataatttg atgaccgggt agaatcaacg ccattacatt ttcttcctta   180

ttggtttttt tttaaccccc cacccatcct atattatctc caggttgtaa ttcttgttgt   240
```

ttctgttggc ggagtcttag gccgagttct tgcttgttct cgagggttgg gtttatttgc   300

aactggaaga cataggtgcg ggagacaaag acgtacgtgt acggatatcg gctggtctc   360

tggattggat tccattggac agagcactac tattatcagg tttacttgtg atgatattaa   420

gaaaagcacc aagaatctct ccagaaatac atagttggaa gaggtggtac aggattggta   480

caaggctttg cttctaatga agcgaag   507

<210>   30246
<211>   373
<212>   DNA
<213>   Glycine max

<400>   30246

cagccttctt ttttgattag gaaaatttta tccaccctaa ttaagttgga aatttaggtg   60

acagaaccaa aattaaacct gctcttaaat aaagaattat ttcttagaag ttaatggtaa   120

tggactaata attttaacct tatcattcca ttaccaatca ttattgatta taattttaag   180

aatatttcat aaaaatcatc aaatttatta tatatgatgg gttctgatcg gatgaaagtg   240

taaattattt tacagtgata atgtataatt ggttttctca atttttcttt gataggacta   300

gtgctggtat ttatctaaag aatgaaaaga tagtcatgta acttccaacc ctcagcaact   360

gaatgcaact act   373

<210>   30247
<211>   533
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30247

gggattctgg ccctgatcat gcgcacaaca ctaacaagct ttgccacaat cacacttgtg   60

ggtctggttc tttcctcgta ttattattat caaatttgcn cccggcccaa aaccacttac   120

taccaggatt ctgtgctttg tctngtgaga agtagttggg tgtacccaga ccaagatacc ₉180

gcattcttgg gttgagaaca aagaattgcc ttgtgcttgc tgaggtggtt attattaccn   240

cganggaatc atttgattgg ggttggcgct tattaaacat ccccaaacaa cctgtcttgg   300

attgagatgt tctttgtacc aaatacccac attaacgtta ttgggaataa cctggtgatg   360

tgccattcat ttcttctatt ttctaaaccc tttttgcacc atgttaatta ttgattgatc   420

```
ttaattgtca atttattacg caggtatatt atttgggccc attaagctta tgtgatgttc    480

ttatctattt cacgattaat gaacattggc ttgatctgct ttggcttgat ttn           533


<210>      30248
<211>      517
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30248

ccccagggg  nnnaaggggt ggcttgcctt gtatatctgc ganaccactn ctacgngagc     60

tgctntgagn agacctagat gatggcagcc tcctattatt gtggcagggc ggcctccctt    120

cactttcttg tctccaacgc gacctctgac cactgttctt ccttcccgcg atgcttcttt    180

catggtccgc ctaatgggct tatagcccta aacatacttt ccacgaattc cctggggttt    240

tatcaagcta gntatgctgc attgtctttt gctaaaccca tcccgggtca taaaccgtcc    300

ctacataact cgggccatca taccgccgca tcggacagac aagggtgccc aaagagggag    360

tccacggagg aaatgctgac cacctcaaaa gactgganag cggtttctaa cgattcttct    420

gcggcttcca cataaggcat ggaggatggg cagcttacca agatatcttc ctcgcctgac    480

acgataacca agtgcccctc cactacgaat ntcagcn                             517


<210>      30249
<211>      368
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30249

caaacattta acttgaacat ctaaaaaaat attagcattt aagcattgcc cggctataaa     60

atcccaattt aaggatgtca cctaacattg atgaacttga ataccatag tgtgctgtta    120

tagattttga acttgtaaag ggggaaagca tacctacacg agtatgcttt tccctgttct    180

ggcaagttaa gatgttacca aaacttaaat ttgtttccat ttgacacaat atttaaatta    240

tccttatttc acttaaaata aacctcttta ctggttgtac tattttataa acctcanaca    300

tgatgcattg ttattggagt atgattgatc cagctgataa tttcccccat tgatggtaca    360

tattatat                                                             368
```

<210> 30250
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30250

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gagcttcact ttttttaattt taaantataa aatttcatct gagttataag agtttttaat    60

aagatatgaa aataaatatg gccaattatg tggttttttt ggaaaattat tatacacatt   120

aattaagtcc gtgccttata ataaaaccgg ggtaatatta tccgaatggc tactttatt    180

ctattctgtg acatgtaata ggttttgcat tcattacctc agggacgaag gaattaagat   240

gatttttttg cttcattacc tcagagacca ggattaggga tgaatattgt acggacatag   300

acgctcatga tctttntatc ttaaaagaaa tatctctgcg tgctttgaag ataacaatat   360

agactctatg aaaacatttg agctatactc gcn                                 393
```

<210> 30251
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30251

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agaaggatga ccatgatant cgtacataat attcagctga cacatccctt tgaaatgaaa    60

agcaagaccc attattgtct ttatccctaa ccccgctgct ggattaacct ggagacacaa   120

aaatttatga atattccgac cgatttttga attaaggcca accatggtga aacccaatgg   180

ttaattggga gggaatattt gaccaattta aatatattat cttacccttg gagaacctat   240

cattttgagg aagaaaaaat ggttacttca tggattaact tgctcttact ggtgccaatt   300

aattatatta tctaacttaa ttattaagcc aaggatatat acttaatata gaatgcattt   360

cccagtggtt taaatcattt caggtggctg aagaaagcat gaccaaccag ctttaacccg   420

catcttaatc cactttgcat ncagagcccg atttgaagat taatntgaat gggtacaaat   480

ataataatn                                                            489
```

<210> 30252
<211> 249

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30252

acactanaga gaagcaatgg cgatattgta cacacacaca ttctctatct agaataaacc   60

tanaatgtgc attttcactc tactaactta aaccctatgc aggggaataa aaagtaggtc   120

tgatcttata tgccaacacc ggcagtgtac tagaatagat cacatccttc ctcacattgg   180

tcttccataa agaaagcggt aacggggaaa agtaaagagg gatatgtgac ggtgctttgt   240

ttctgtaaa   249

<210> 30253
<211> 395
<212> DNA
<213> Glycine max

<400> 30253

ggcggatgag aaaacattgt ctatattcca tctccaactc cagtaggcct cccaatcatt   60

ccttactttt ataggaggaa tggtgaggac aataccctca atgccgtttt gtctaggaac   120

acacatcatt ccctagtctc ttccttcttg attattatga tctctatact caattgaacc   180

acctctcatg gagcgcatca tctcggtgat cattaacctc tccaaatgta gcatcaaagc   240

ttgcatgaaa gattgcgaaa gccccactcc ctcattagga gtaatacctg gcatctcaaa   300

caagcatatc aaaccttaca agacaaatat aggaactggt tgaatacctc acccactcga   360

gaggatcaca caataatggg ctgtctctaa cgaac   395

<210> 30254
<211> 513
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30254

aggaatgact tttctanatg attctgagaa ncatcatnna cgcattctna gactccanac   60

actgcggngn atatcaaaga ggaagtttct tatcacgtct tngtatatga caatttacaa   120

gcaaactata gagacagtgc atcagacaac gatataacag cgaatgataa atgcctccat   180

catataaatt caaaacacga ggggcatcaa actgtcatca gtaggaaaat gatggatgat   240

atttatgcat tagggggcaaa atgtaggggga agatgtggat tactcactag gacatcgtaa 300

cttgaaagtt accatggggtg aggaaataac ataactgtca gattaaaaaa gggccggtca 360

cacacaagga cctcataagc attcacaata gtatgactan attgaaagta attattcagc 420

gttaccttca actatttctg ctggtacata agcagcacat tatcattctc aagaagaatc 480

actccgatta caaattacaa aacaaatcaa tag 513

<210>   30255
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30255

agctctgctt atttggtctt cgccagcgaa aggatcgaag tggatctgaa aagaggcaaa 60

tctaatcatc ctgcttagac gaatgagaaa actgnggcaa ataaagaggg tgaggatgag 120

ggacaaaccc atgctgtgac tgccattcct atacggccaa gtttcccacc aaacccaaca 180

atgtcattac tcagtcaata acaaaccacc tccttaccca ccacccagtt atccacaaag 240

gccatcccta aatcaaccac aaagcctgtc taccgcactt ccaatgacga agaccacctt 300

tagcacaaac cataaaaaac accaaccaag aaatgaattn tgcagcaaaa agcctgtagg 360

attcacccca nattccggtg tcatatgcta acttgctccc atatctactt gat 413

<210>   30256
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30256

actaagctga gctcactggt gtgcccataa agctccacga aatttgttcg gccatgctct 60

tccttgcgag ccctcttggt ttcttgttca aaggctcttg cggtagctgc attntcttct 120

cgtaacccgg cacactctnt ccgaatgtct gtagcgacca acttgaatgn ttctttggca 180

agtcttgcta ttcctagttc tggtttgaga gcttagactt cttcatcctc tttcggagct 240

ntgaaattct cttcgttgat aatctttaac ttggagagcc aatctaaccc tcgtgtaaga 300

actttcagcc attcatgata accaccgatg aagccattac gaatgcccct aagttctttta 360

tctttcctta acgagctttc ccacgcctta tggactcttt gtataacctt gaaactttgc   420

gcgccgaaat ctctcaca   438

<210>   30257
<211>   366
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30257

gtgggtacct atnttgaatc tgcgatgctg tctctacata catanaacag tcccaccatc   60

ccaattgtgc aaaaccatat tcatatatca ttgcggcatt tcaccgagca cttggtgggc   120

gcacgtttgg acataaatcg caagagaatg ggggcaatgt ggcatgcctc attgcttcag   180

aacacaacat aggcctaagg ccttctcatt caaatcctca actcaagaca tcaagcatac   240

aaacaaccca caactgcctc accaatgtaa gcatgttctc acaattagag caccagaaga   300

tgaagaatat actccaatgg gaagcataaa actcaaggat ngaatactta cttgttggag   360

tgagta   366

<210>   30258
<211>   492
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30258

aggaggatga tnncttagac tctganncaa attacctact ccaccgagac gctnnaagta   60

gagctggctc atattcctgt ctnnnnctga gcgcacctcg ttggatgaga actagagcta   120

tctaccaccg gctataatag ctaagctcac ccccatgaca aagaagctga aaatgacaaa   180

aaaaaaaaag tacgttatac acaataactg agattgcgcc gaattacaag gcgtaaaccc   240

tatacttact aaatggcgca aatacaaggt ctagacgaag gaataaccta tgttaatatt   300

tacgaagata agcgggctca tactaagccc atgggctgga aatctaccct aaggctcatg   360

agaaccctag ggcctttcnc tggatctcta gcccagtcta cttggagtct tctaaccgat   420

gctcttgcag ggtaggatag catcattccc tccaccttag gaaggatgtg acctaaatcc   480

cgagttcatg ag   492

<210> 30259
<211> 524
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30259

agacgttctg annctgagta gnatncctag ggcgnctact ctgaccnngc catactatcg   60

agnngagccg acaggcaggc aggcaaacta ttttgncttg acnagacccc nnagcttagg   120

agagatcagc tctaccaaaa taacaaccga ggagcggaaa gtataaaata ttaaaaacta   180

atataaacga tgatgntaat gtaacaagtg acttcgaata aacatcggag ggaaataata   240

ttactgctag gctacatact tatattgtac agagaactac tacaagtaac cttacaaaac   300

gtgacaacta tgtagaaacg actaaaaaag attatttatg caacaatgag tacaacttta   360

cagagataaa atatagttga aaatataatc gagcttaatc tctctaatgt gatagtaaga   420

caaatgctca tatgacatct ctatcattta taacgtgcca ctaattgagc ctggttattg   480

ctcatatgtg cagtactttt tacagagcat gttcagccac gccn   524

<210> 30260
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30260

agagtaatgg ctnatgagac tntcggacac ataatctacg ctagcaagaa ccangcggga   60

nggagaatga agaggcgaca aaaatgancg atgtgcnccn cgagcccaga agaggtgatt   120

gagcctggag accaagacac ctatgaattc ctacaccgat atcaagatgt tgtccggcta   180

caccaacgac tatggcatat cagcaaggat gtacatttct tcctagtcat acgcccggcg   240

catggatgac ccactaagga cttctgccaa aacatgatta tgattctccg cgaatcaact   300

tcacgcatgc agcctagccc tccaagcact gagaccagac gaagcccgaa aggacaacca   360

catatcctac tcgcgaggtc tgtgctacca attctttatt gctgcacgag aacgaccact   420

cctttccact caatgaacac aaatgaactt ttcctctgct accgtctctg agtcagatct   480

ataatcactg cacatatcca tttagn   506

<210>   30261
<211>   415
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30261

agctnttctc cctcattctc acattgcttt ntctcccttt ctcctccacc attgaagcct   60

ccattanagc tccaaacttt gctcaccatt tctgctccaa atcgcaaaag gaagctattn   120

tcggagtcgt gaagcgcacc tctacgttgt gggaacttca aatttaggtt tgggtagact   180

tcttctcaca taaattntcg tgggtattgg gttttgggag atatgatggg tagttgtact   240

aagtttatgc cttaaggtag ttatttgtga aggaatttgt tgaaagcatg ctaaaattat   300

catgtttgat gtgagctaaa tatacccatt ctgttttaag gttntataat gatactttgt   360

gatgcttgtg tgctgaaatc gttggtagaa aattgataga gatggagggt agagt   415

<210>   30262
<211>   210
<212>   DNA
<213>   Glycine max

<400>   30262

cttttgagct agaatgtgat gcctctggag tggaattgga gctgtttgtt acaagctggc   60

accctattgt tatttattga aaacttatat tgcaccctaa ctaccccta tgataagagc   120

ttatgcctta taagagccct ccaacttggg acataccttg ttccaggaat tgcattctag   180

tgacatcatc acttagtcat tgatagcaag   210

<210>   30263
<211>   316
<212>   DNA
<213>   Glycine max

<400>   30263

tctgctgcca ccatacaacc tttgcccttg catgcaacta cctggagcaa gtgagcagcc   60

tgaggcttat gctgcgaata tatacaatag acgctgctca agccgcagca gcagaatcta   120

ccacagcaga acagttgtga cctctgcagc aacagataca gccctgcatg gaggaatcac   180

```
gctaacctca tatggtccag cccttagcaa caacgacaac agcctgctcc ttacttccaa   240

aatgctgctg gcccagacat accatacatt cctccaccaa tccaacaaca gcagcaaccc   300

cagaaacaac caacag                                                   316


<210>      30264
<211>      379
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30264

tatggtgttc aaggtggatg ntgaaaaagc ctatgactca ctctcatggg ttnttttgga    60

ttatatgctg canagaatgg gtntttgcca cacatggaga cactggatgt ctgcctgtct   120

caagtcagca agcattgcta ttcttatcaa tggcagtcct acaaaggaat ttgctcctac   180

tanaggtttg aggcaaggtg atcctttagc ccccttactc tctaatatag ttggagaagg   240

catcacatga ttgatgaagg aagcagtcaa aagaacttat atagaagcta tatggctgga   300

aagaaaaacg aacccattaa tatcttgcag tatgcggatg acagcaattt tgtgggtgag   360

gctgagtggg agaatgtta                                                379


<210>      30265
<211>      173
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30265

gacctggact ggaaacgatt atcatgtact acagcatgat gatggaaagg atgacatcta    60

ttcgcttatt atcactgagt gaggcataga gaccacacgt ttatggctac agaagatgtc   120

ctaataaatt atccacgtct gccatcatca agtactgttg taatgatcag aan           173


<210>      30266
<211>      275
<212>      DNA
<213>      Glycine max

<400>      30266

ttgaaaccac tttctcactg cgttgaactt cctaattaaa tgaaataatt tccctataat    60
```

```
taccatggac aaattccaat tgtaaagatc caattcttat ttacctaaaa tgattaatga    120

ttcactaaga catcatcttc tcgctgcttt tgacaatgag tatgggtgaa cgaagccgta    180

cactaatcca atacacattt aaaatacagt atctacgaag tgatcctacg ttgtctccaa    240

cgagcaatgt caaccaaatg ttcataacac atagt                              275


<210>      30267
<211>      478
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30267

aggaatacta nnctcgattn tctcacanan tatcnnanat aaggcatccn nggccggnnc     60

tangaggaat cgngagacat catntattnt tcnnngaanc ccanncactg gaggggaccg    120

aacgcaggaa tcaaaccgac cgtgataaca tggaatccgc atattttatt gtacaatgaa    180

atatggaacc cacctctggg tttcatattg gtgacccatg cctcataaca tatgagccat    240

cagtttagta agttgaaaat attgggcaag atgtgttgtt gtgttgagcc acgtgatgtg    300

aacaactgaa tgtataccat aatgattaat gcatggctat ggagtttaat tttatattgg    360

actaatattt tatgggacat actactgata aaatgtgatc tagacatcat tgatcatgca    420

agatcctaac ctttaacaca gtttggaaag attaagtatt tgctctatac aagatctg      478


<210>      30268
<211>      389
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30268

agcttcatac tttctaatta atagcttcca aattttcatt ttgaagctat ctcatgagtt     60

atggctcttg catgtctccc atgttttgta ttcttccttt atatctttag taatatatag    120

acttgtagca taagatcatt acgaataggg tcactaatat agttggtatg cttttttccta   180

attaatgtga tatattactc ttatactatt ttctacaaga ttctttctaa aagctatcat    240

tttctattca tggctagaag acatggtttt atgatggtga tttggtgacg atnttataat    300

aatcaacatc attaaggagg caatgacatt tttgtaaata ccagtcatat ttcaacgact    360
```

gtgttccata aaacgatgta gaaattgca   389

<210>   30269
<211>   250
<212>   DNA
<213>   Glycine max

<400>   30269

tgtagcattg ggtatctttt gtgatcgaca gcaccaccaa gaacacaaat agtgtcgaca   60

tgaaaaaaac aggttgtgat ggtagaattt cttcttcttt gcaaacaaaa ccactatcat   120

agatcctctt cttattgacc agggtgagta ttttttttag tacgttccct cctgctcctc   180

tgggttcatt tacctatttа cattggatga gttttttatt cgggtttagt tatcactgca   240

tgttcattgc   250

<210>   30270
<211>   451
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30270

cggggaaggg gtnnnnttnn nnnnnnacct tgctagtcag gcataccgga gtanctgagg   60

gagcaacctg tattgtttgn gttatttgcc gcaagaaacc tgcccatttt cttatctttc   120

ttcagggccc tatggtttgg cactccggcg cttacaatat gggatggttg ttccgacctt   180

tggcttaccg attcgcaaaa ttggaggatt ggttagtggc tcgttttctt caccctttcgc   240

aaggatattt tggccaccag tttctattct tctaatgtga actgtgaata gtggtatgat   300

catgtggagg cctcttattt ctaattccaa actttggatt tttttttaac ctctagtttc   360

attgcccccct aactggccgc tataccattt tcctcgaccc ttttgtttaa gtgaagggtc   420

ttatggccca ttttctgcgg ttcgatcccc t   451

<210>   30271
<211>   239
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30271

```
gtacaaaaaa aatcctgcac atattttcac ccttcactct ataaatacat gaaatcgatt    60

attctgacaa aatatatgcg tccgcgtgtt cggtcgacaa actgtntgat ctgcagaact   120

gcataccatt tgatatcatg tttgctcatc cttgcgtgtt cctctacaaa acaaaaacaa   180

aaaaggggga agcgtgaaac ttcatactac attcttagtt tcatgtgtta cgcaccacg    239
```

<210>   30272
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30272

```
agcttgttca tagagatcta ggaagaacgc cgcggccgca gggactagtg ccgctcccga    60

gttcgatagc catcgtttca ggagcgctga gcaccagcag catttcaaag ccatcaaggg   120

atggtccttc caccgagaga gacgcgtcca gctcatggac gacgagtaca cagaatttca   180

ggaggagata gctcgtcngc gttggatgtt gctggtcatg cccatggtca gtttgatcc    240

cgatatagtt ctcgagtntt acgccaatgc ttggcctaca gaggagggcg tacgggacct   300

ccggtcatgg gtaaggggcc agtggattcc tttcgatgca gacgccctca gtgtgacatc   360

ctgaaaattt ctacctgaaa ttnttgaaac gatgtatttt gaatgattat atatatataa   420

gta                                                                 423
```

<210>   30273
<211>   447
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30273

```
agactctgca ggtagatttt agccttagtt tcactttagt ttgtagtcaa tncaattaag    60

aaagagaaat gccaaagaga aacgtccgat tgattttttt tgctttattt tactaaaagg   120

tattttttga ttatgatatt attattatac ctcttttttg atttccaacg tggttacagc   180

acgaccgaac ggtcggattt cattataaca gaaattaacg gatattacag atcaaatgat   240

ccgtgaaaat ttattttatt ttttgattag gcgagagatg acttaaataa atgactgaaa   300

cacgtcaaaa gagggtacgg gaagtaaatg atacaagata ttaaagtaca cgaatcagat   360
```

```
ggagaccacc acgaatacat aaaatgaatt gaagagctca gtttgggtac ttaccggttg    420

ataaccgatg aaaaacgaag aacgaac                                        447


<210>        30274
<211>        448
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        30274

gccatgcaag cttgacttct acactcaaac atggcaaggt tcaacacact ggtcagacaa     60

atcttcttca ccaaataacc ctatcacaaa gcataanacc annataaaac ctacccatca    120

tatnnctccc aaagccccat acccacgaaa aatgtaggtg agaaagaagt ctacccaaac    180

ctgagatttc gaggtcccac acgtagagat gcgcttcacg attccgaaaa tgccttcctt    240

tcgcgaattg gagcaaaaat ggtgaccaaa ggttggagct ttaatggaga ggaagaagaa    300

agaagaagca acgtgaggga gagggagaaa gcttctgaaa ttntctgttg agtgaggaga    360

gagagaaaac agctnttttg tttaaagagg atnntctctt ttctattatt ntattntaag    420

ctatgccaca tgtctccatt tgagtgga                                       448


<210>        30275
<211>        434
<212>        DNA
<213>        Glycine max

<400>        30275

atgaagagtc caaagcaata cacatattta acaaatacaa aggtgaatgt tttttaacac     60

atgcacgcaa acgaacataa aggccaaaac gaacacatgc atgcaaacat acataaaggc    120

caaaacgaac cacatacaaa cgggtaaaaa aaaagaacaa aatagaaaca attgtaggca    180

tcaaaactga tgcaatccta ccccgcaagg gcattggata gaaaactcca agtagattga    240

gccagagatg caagagaagg ccctagggtt cttatgagcc ttaaggtaga tttcgggccc    300

atgggctaag tacgagccca cttatctatg taaatattag attaaggttt cattattctt    360

gggccttgta tttaaggctc cataatagag gtagaggacc ctagaaatat aagagttttc    420

agcccttgta ttta                                                      434


                                12628
```

<210> 30276
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30276

```
atcttgagtt gatgaagtgt tgaagggtga aacttcctgc ntttattgtt gaccacagag    60

tggtacctgn agatatgtnc gcggggtcat gagaccttgn ggacgtcang tggggtgcta   120

tttgcccaaa ccaaacttga ccaatcccga ccccacccgg gtgtcgcaac ctacccttcg   180

gcgggagggc gacgcgtgac ttgcgggatg cgtgttccac ggaaggaata cgcgcggagt   240

cgccaccaac gtttatttga ggaaacgtc ggaaaaaccg gaaaagacgc gatctacgaa   300

ctttttagtg aaaggttcgg gagttgtatt ta                                 332
```

<210> 30277
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30277

```
agtcattggc gagtcngact ntctgcgaca cattttact caagctgata cccgcagaga     60

caacgtcgtg tttacgccca atcaatcgcn gcgacaaccc gnaacgcgcg ggatttcgta   120

atctccgcct ctcaagatct gtatatggac tttgagcacg cagatggcgg ataacgcgag   180

tggtatccgt ataacttttg ctatctgtaa aacaaaacgc tgtagcacgc aaagacaacg   240

gcggctttgc gccttcgcaa tgcggtcgaa agcccgtgac accagagata tacatatctt   300

tcgcgctcca agaactgaca tctgactttt ggtcgcgcta ccggccgaat acccaagggg   360

atccgataaa cttgtgctgt tgtagacgat agctggtaca cccaagacta cgtnggtttg   420

cgccttatca tggcggcgac cacccggtgc ctcggg                             456
```

<210> 30278
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30278
```

```
cgccccgcan nncnaaggat gttgaaagct anagaagctn cgcaattatt cattgncccg    60

cgattctctg agccgactgg cgcgtggcca gatttttttct taattaatnn ccaatatttta   120

tgatggtgta ataatataaa attttaagac catcctatta atatttatcc ggtggtnttt   180

tatattaaaa tatttaagaa taaaatatta ttttggatat tccatattca ccggatcgga   240

ataattgggt tttttatata aaaatccatc tcttaggcct attttaaatt ttcattaacc   300

ggaattntta tttattgaaa tacctaaaat taatttaggg caacctaccg gcgcgtggat   360

ttaatattat tatcaatcct attatatata aatggagtga ttccgaaggg acatgtataa   420

aactgaaagg ctagtattgt gcaaccagc gcagaaaaag gatcgtgaat atggtacaaa   480

tattttgaga gaaacacaan                                               500


<210>     30279.
<211>     440
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     30279

ctatgaatat attaagagga attgtatata attctggcga tnagaagttc tcccacccta    60

caaaaacaat tntcatattc aaacagaatg ggtaaattat aaaaatgctc agattagctt   120

caactatgca gacaaaaaaa aaaatagaag agtaagttcc tttaactgtt aaaatatagg   180

acttggtgca natttaaata tcatgcaaaa aaagaagtgc agagtgcggg gaaaaaaaca   240

agatgtgatt ctgctttcaa ttgagaaatt gtatttagtt cccattaata aaatactact   300

ggttcaaaaa actaagatta gaacagtgct tgcttcttag ttcttacagg aggaatctga   360

actacattaa gttatagact agagtcattt cagatcatcc cttttttcaac tacctcatag   420

tccttcagct tcttgtctag                                               440


<210>     30280
<211>     381
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     30280

ctctatncct ccatcatcct attcactaag aggtagatga tctctattgg gcatttgtgt    60
```

12630

```
aaaaaagctt accctaactt tgcttttaaa tgtaaatctt gcattatttg atgaatcagt    120

ttatagagat agaaataata atgcgttgaa tatgtaattt ttactatcat cgaatcagat    180

cacanatagt gtgtatgata aacttgttaa atttatacat ctaccttaaa gttaagatat    240

tatttcaaga ataatacaat gatataagag ttaattgcga caaatgagat ataaacttct    300

taacacgtta gaataggact actactcaag tataccaata acattctgga tagttgataa    360

tataaacttt accgctatac c                                              381
```

<210>   30281
<211>   369
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30281

```
actacaaggt taatcaatta cccacctaaa aactacaact attgaattaa ttatctactt     60

cgctgtcatg ggcttaactc gtggacaagt aaggaaattg gagtaaccag agaacaatcg    120

agaaactcan gcaaattgtg cctaccacat acaccagtac atcgaagtac ttactttaag    180

ttaattaacg taaacaaact ctgctgtttc tcaattctaa cccaacaacc atacccaata    240

aagagaacaa ctcgtggatt agctattttc attaatctta ttctatatat tattgcgaag    300

ctatctgata tatatcctgg acgaagagta ttccaagnct tttgaggttc tatataattt    360

ttttaaaat                                                            369
```

<210>   30282
<211>   395
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30282

```
ctgctgcttt ctcangttga gtatctaaat atactaagga gaagatccaa aacatcaaag     60

atgtacaata gaaggaacga ataacaactt attttaaatc catctatgtt gacctatggg    120

acatggtgga aaatggaaat tacattccat ataacgatca gttaaacaaa attcctaaaa    180

gtcaatggac aaaggagcaa tctgattttc tcaactcaga gactccaaat gtgatgctat    240

atgctctatc agaagatgag tacaccaagg tacacaactn taaaagtgtc aaacaaatgt    300
```

```
gggacactct agctgtaacg tatgaaggaa cgtgacgggt aaagaagaac aaactaagtc   360

tgctcactca taagtatgaa atcttctcta tggaa                              395


<210>      30283
<211>      438
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30283

cgccacggaa aaaaaggaag ggagaatttt cangtananc acataannaa agcnggacac   60

gagatccttg gagtggacct gccgcatgct tctttgtacc tctntngcac tcgacactga   120

ctattcactt ttacttatgt tcatcaatca ccctaacaca ttagctatga gaataattta   180

tcaagaaacc ttttcatgtg gcccattcta atagatcgag gactcttgag tacatgtgaa   240

ggctgctata cagaagtgga acaattcaat tatagtatca ttttactacc ttacactcta   300

agtgcgacag atactctgtc catagtgact ttcatctcct cataagatgc aaagagtgat   360

atgtaccgtt acaaaggcat ctgttatgct tggatagcta ctcgacagtg gtattggctc   420

tataacctaa agctctgg                                                 438


<210>      30284
<211>      456
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30284

aatcattcaa cgcattcaga atatgtgttc atccttanta aagctactct aaaataaatg   60

acacagtcgn cagcanagag taagtatcag atgataggtg cacccctata gatnttaatg   120

ccataagtat gtccttgccc ctccaacttc ttaataagag cttanatccc ttcagaacaa   180

aggatgaaca aaaaatgaga gatgggatct cctagtctga gacctttccc ctggataata   240

ggaccaacca agctttcatt gataataaca gagtagacag attggatgcg aattaaaatc   300

cacttaaccc aagtcgcact aaatctcatt ttggccatga cgttttttaa ataattccca   360

tcgacttggt catacgcttt gttgatatcc atcttcagcg caacttgtaa cctcccacat   420

gttaccccttg accttacact gcatatgatg gagaat                            456
```

<210> 30285
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30285

```
agctatgtgt ggttcttcaa tggtgaatga gggaggaaga aaagcaacgt gagggagagg    60

gagagagagc ttctgaaaat gtggggctga gtgaggagag agagggttgc tttttggttt   120

aaataaaagg gttntctctt tttctattat tntatttaag caatgccaca tgtctccatt   180

tgagtggagc aagaagggcc cactttctct ttttgactgt gacccatatt cagtcacaaa   240

agtgagaaaa atctgacctt tgaaacgcta aaatcctgcc tcggtttgcg tgccgtttct   300

ttgattccag tttctcgcgt ttctctgcgt ccgccggggc cagttttcga aagcaagcaa   360

tatatatatc anaacgctca gaatanaacc ccgaacgtgg ttcagaggtt ggtttcgtta   420

a                                                                    421
```

<210> 30286
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30286

```
aggagtttat tctgcattcg gcannnctat ttatcngncg aactcagagg ggnnngcaag    60

catgcaagca agcagtgata tttcnnnncc ccgcnnnagg agggggttgg tactatcatt   120

ccctaaaaac atcaacatat caacgttact ctttatttac atcatgactg ctgacgaagt   180

ttttagctgc actctgagat attggtgacc tcactgctag agtgacgacc tgtcttatgc   240

tctccaggct attcaaaatt tgcttgtctt tcttgcgacg tacttggtta tttcttccat   300

caatgactca tgtcctgaag tgtacatagg aatataacgt gttatgaact ctatttattt   360

gaaatttacc ttataaaccg actaaggtaa caccttgcgg atgaaccctc cttaagagtt   420

cag                                                                  423
```

<210> 30287
<211> 337
<212> DNA
```

12633

<213>        Glycine max

<223>        unsure at all n locations
<400>        30287

aggagattta tctgactcan ncctatnttc gacaacaacc gncgggggag gaggatttta    60

ttttnnnnnn caaagggggg gtattacatc accaaacacc agcangacac aacatgggca   120

atccccaatg acattgtggt ggcaacacta caagtaatat actttaatga cttgagattc   180

ttactgtaga gatctgattc aatacaatgt agacctttcg caacagacca tacttgacta   240

ccatatcaaa aacatcaatt tctcaccaat taccaacttt aactggatta cgacttacat   300

gaagtacccc acatgcctgt cctttacaac agtcctc                            337


<210>        30288
<211>        409
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        30288

ggacctgcag gcaggcaagc ttgatttctt ttctcacata ctggaatcga ttaccagaga    60

agtgtttcag aaatattctc acagtccatc ttttacttga ttctgatggc tgcaaagcct   120

atattatggg aactggacac aaantgccaa gagtctttca aaaccaaaag gtattatcct   180

ctaaaaagca catcgtttta tcctcttaac aaattccttg gccaaattac ttgtgattca   240

ataaggaatt atttgagtgc tcaaattgtg caatctatct ctttcaagag agatttcttc   300

ttttcttctt cttcattctg aaaaaaggga ttaagagacc gacggtctct tgttgtgaaa   360

gaattctaaa cacaaaggaa gggttgctct tgtgtgtcta gaacttgta               409


<210>        30289
<211>        512
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        30289

aggttggctc cgctgagant ctaccanact actcnaanct angacactcg nngagagggn    60

cttacaggtg agagaggagc aaataatatn tctaacncnc cccgaaacaa cggcgcccct   120

ggcagatgat cgcacacgcg aggccaggaa ccccgagatg atccgctaac actcttgtgc   180

```
gtgagagcag aaatgacaac cagtggtgga caagaangtg agattccttt gtggagccgg    240

cgaactgcat gatgaccgtg agattatttg ggagagagtg tgttttgtaa tcaactgctg    300

cctagcaggt ccggaattct ttttggtgat ttggagactg aaatcacata tttaatcata    360

tgtgtgaaca aagttattcg tcattatgtg aatgatgtgg actacgngac tatatatata    420

tgtatatata tctcgtatgt gtgtatgggt ggattccctc aagcataggt gcactgtcct    480

ggggatgtat atcggtaaaa cgattcgttc at                                   512


<210>      30290
<211>      349
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30290

tccttcctta acctttctag ctgtgcattg gtgtattttg atctcctttt ggtcctctaa     60

ttgtggaatg tgttcaatat gtgggcaatt tttgggttgt ttccttgctt gattgggtta    120

gaaattgggg gggtttgtat ggagatgggc cctangccct ataatgcatt ttttgaagca    180

atgagacatg ccacatttgt ccccgttctc ttgctattga tgcctaaaca cgcgcccacc    240

aagtgttcng tgaaatgccc ccatggcatt agcgcgtggt ttttgatgga aacaacccat    300

ggagcatttt ggtttgcaca tatnttccat tttttgggac atgcattca                349


<210>      30291
<211>      366
<212>      DNA
<213>      Glycine max

<400>      30291

acctttgtca atgatattct tcatgcctct taagtgcaga agtccaaatc tttgatgcca     60

tattttgact tcatctttct ttgcaggtgg gacatgtgga ggagtaactg gttctttgag    120

gtgtccataa gtagcagttg tcccttgatc tgctgccctt cataaaaact cattcttctc    180

attggcacca agcattctga ctttgtgaag tttacattga atccttcatc acccaactga    240

ctgatgctga tcatagttgc agtcagtccc ttcaccagca gtactttgtt cagactagga    300

agccatcatg gactagcttt cccattccag agatctgtcc tttagagcca tctccaaatg    360
```

tcacat

<210>   30292
<211>   501
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30292

aaggagttca tcttcttgca tnacgacann nctattncta tcngcgcaca catncacang   60

gnngacctgc atgcgtgcaa gctttcgttc ttctntnnnc actgctgcga gaaaggggggt   120

tatttatcca agtgagatta caagcccota acaactgtgc ttgacaacac gcctaagtcc   180

gacacagatc aggtgcttga cgatgtgtat ctgatagaga acggcacagg ttttttcaca   240

cggatgttga acttaaatct gtttacacaa acatcctatt tatgactata gaaagtgaac   300

aacctgcctt gattagctgc ctgctctccg accaccgata tgaagtagat tgcgcttact   360

gtgcttctcg tacctgcaca ccgccacact tctagttaag acaactctcg tgtcggaaac   420

tngatgcttg taaaagtcta ccatatcagc ttaaaaagga gaactacttt gcattgcaga   480

tggtctaacc atctatcacc c   501

<210>   30293
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30293

agcttctatt actntattga cacacaaaat acctaatttg aatgaagcat ttgatatatt   60

tcttangatg tagtcttaag atgcgaggat gaaatctaaa attaggttaa taaaatttgg   120

tcacttttg aaataatatt gattgaagat atggatgaaa ttgaatattt aatattaaaa   180

aatttgagta atttaaaaaa cttatataat tcttttataa ttataataaa agtggctaca   240

taagtaaatt attcttatga tgatcaaatg aatcctataa gtatatgtaa aacctacaaa   300

aattattctt tccacaattt acccatgcat tgcgcggaaa aaattgacca tagtttttt   360

ttttaactta aaaaattgac catagctgan atgtaatcta gtttcgctta ta   412

<210>   30294

<211>   259
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30294

ggagatcagt ttatcnanct tttcggcacg cggcgggggg gagctttttt cacacgcagg   60

ggttgtacat accccccccgt cacactcctg tgcggctata gcgtggacaa ccaggtttaa   120

taagttatct acaaggcgca tcttgaaggg caatatgatg aagaaagggg taactgtaga   180

attataaaaa ttatatatta tctaaggaaa aaagattgtg aaagaccagg gggcctggta   240

atcaagcaaa aacgacgac   259

<210>   30295
<211>   388
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30295

agatcgtgac gttcttgcnn ncntatnnat gnnccaccnt ctgagcgccg gggagggctt   60

tttcattttt tncnacncag ctgggggtgc gcagctggag aaaagaacca acaagaaaca   120

gcccatgatg cggggtggtc tttactgcag agtggggaac aagaaaaacg tttgactgcc   180

tttggaagca ataactcacc ccattccatg actttctttta agtggagttg ccgcgcgcag   240

gtgggtgaag cctcgagagc agaagcacca agaggaagag agaacaccgc acgacctcta   300

gaattggata aaacaatcta cagggtgcta aagacgctac atgggcttca aacatctgct   360

tccgattaaa tggtgtcatt actctcgc   388

<210>   30296
<211>   372
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30296

agcatatttt tcattaaaat agataaaata ctatgttcag atatacatgt ctacttgtga   60

agagatagct agctatcaca tttagctatg gtgatcagct tcataaagag tccttctaaa   120

cccaatcaaa gcaacaacaa agtaacaaat ntacagaata gatcaagtga aaacacttga   180

```
agcttaaaat cagtaatcaa tatgattgga tagaactata gtcttatcta aatcacangg   240

caaaccacaa cttgcaatan aggcaaagta actaaatagt gactactata gataacacta   300

atcaatttcc aaagtgcata caaaatatat ccaaatgtgt gaataataat agtgatgata   360

atgaacaata tg                                                       372


<210>       30297
<211>       451
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       30297

atccaagctc atcttggagg agaagctccc tcaaattggc ttattcccta gnggaagaca    60

cctgcggtca cctattctcc tttgtcttcc gctgcatctc catggtggaa aatcaccatt   120

aaaggaccta attgaagctc aaagatccag tctccataga agccacacaa gcaagcttcc   180

atcanaatta gacctacgta gttctttcat aagaacagaa cgttggttaa gttgttttga   240

tatttttccg caagatcgat tagaaccgaa caaaagtcgt ttaaggtgtt gagcctttaa   300

acgatctttt tgattttgaa aggaggggag cactgttaaa gcgctggacc tttaacgata   360

tcttgttttt gagaggagag aaatgttaag gcgttggatc tttaacgatc tcatggagtc   420

gacaaaagcg gagctttggc tcctacatat c                                  451


<210>       30298
<211>       503
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       30298

aggcatacga tcangctntc gnananacac agaatnaaat ccncggnncc cgagactccg    60

nnggagngga cctgcacgca tgcttgttta tttcttncna accaancgnn gcgggataca   120

gtgtggagtg tatagacttc acagcataaa naataatcag tctatgttct ctcatacatt   180

accgcatatg gagatgagct atatctcgtt cacataagac tggacaatac cgctgtccat   240

agatatgtat tatgattaca aactcgctta ctgaaacctc tctcgcgaaa tgagtctcta   300

cattgattaa ccatctacat aatggaaata gaatggagag atgtctagaa atcagtgcac   360
```

12638

```
catgccgcct atacactcgg agatcttatt cgatggctta ccctactata cctcgcacag   420

acagagtatg gtccttatct ctgcgggacc acttcatcaa aatgtcaagg agctccagat   480

actcatcata cattcactca cgc                                           503


<210>     30299
<211>     398
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     30299

aggtttctgc ttgannccan anataacccc gagccnncga aggtagagag ctctagtgtt    60

tnccaaaacn gagagacgag ngtgaaacaa acacaccccc caaccaggcn gcaccacaaa   120

ggaagagaga aacgccagcg gagaccgaac gcgagatgga aggatcagag gacgttcacc   180

aagcgggctg gatttgaatc attcctgagg aagaagatga agctcttacg aactgtgtgg   240

ggtgatacta catatcagta tgacaaatca gatcggcata ggatacgcca catggaggaa   300

agctcatcca ctggaagaaa ttcgtcaaag aagcaagctg gatgtagctg tcccacaatg   360

aagctggagg gcgtggcttg gggtacaaat caagcaag                          398


<210>     30300
<211>     415
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     30300

ctatcttact ttttcttgta tcgtgactct tcgttgccat catagagagc ggngcagaga    60

gaagaaacac tctctggcct ctcatcttca agcttcgatg gagatgagcg ttgcaaggct   120

aaagaaggac gagatccana ggctgaagaa agagatcaat tagctccgac gtccggcgac   180

agagctgcat gactcagaga caagcgcgac gctgaagaac ctcctcgaag agggagaaag   240

aatggtgaca ttcctagaga cgagcgcgcc agcaccacca tcaccatcgc tgatgttatt   300

caaaccctaa cccttctcac cctcaccctc aacccgttnt gctcgtcttt tcctgtggga   360

ccgccttcaa cgacgtcgtc gaggagctca agaatntcac cacccgcatc gctca        415
```

```
<210>      30301
<211>      408
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30301

ctaataaatc tatgtatgat ntanaacaag cctcacgtca gagttatctt tagtttcatt      60

ggaatatttc cttcttttgg ttttgaggaa acccacatgg atcaatgcat attaccacaa     120

ggtcagtggg agtaaaatat gttttcttgt tttatatgta gatgatattt tacttgcaac     180

caatgatcaa tgtttgctac atgaggtgaa acaatttctc ttttagaatt ttgacatgaa     240

agaatttggg tgatgcatct tatgtcatca gcatttaaga ttcatagaga tagacctcga     300

aggattttag gtctatcata ggaaacctat attaccaaat tttatagtga ttttggatga     360

taattgtcac caagtgttgc tcccatcgag aagggtgata gatttaat                  408


<210>      30302
<211>      372
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30302

ttgcacctga tggtcctgtg ttttcaccaa ctttaatcta ggttgacaag ttacatcctt      60

gttgattcga tggttgcgac tcagttcaga ttgtcacaat tggcttacga gatttgaaac     120

acaggttaga atatctcaaa ttcataanaa tgggtttatg ggttttcgag attatgacta     180

gaacatgaaa atagattaga aagaaaaggt tccatttttc ctctttctaa gttgaaatnt     240

agtgctgcta cctttaccct tttcccaatt acccttgaat tacccatttc aaccggattt     300

caaactcgtt ctgtttattt tctctagtta cataaccatt gctgacaatt gtgtagtgaa     360

gtattaattt tg                                                         372


<210>      30303
<211>      445
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30303
```

```
gtgagttttt tcttttttgat tcgacacnat natgtttcgc gcaacannnc nnnaccggag    60

gatgcaacaa ggtgctacat tctnaacncc cggaccnggg ggnncggaaa gaggggaaac   120

accccgggag aaaacgnncc cccccacccn ngaaaggacg acaggggagc acgccaggca   180

gctgccggac cgcgagaagg gggcacnacc acgccacccc cccgaaggga agcggacagc   240

gaacgagaac ccaccaaacg agaccaagcg gccgagacgc ancaaaaaca accaaaacac   300

aaaaaccgca aacgcanagg agactgggca gccangcacg acaggcacgc aagcaagcgc   360

cgaagagggg cacagggccg ccccgaccaa ccccaagcga accacccaag accggaagaa   420

agcccaagaa cccacccgcg aacgc                                         445
```

<210>   30304
<211>   464
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30304

```
aggatttctt gcctangatn ctnannantc aagacccgcg agcgntaaga ggccggatgc    60

tgcaagcang attgtgatat caaaaganac aaccggcgcc gcggcttgat cttataagag   120

gcaagcatct atccttcaaa cctgtgctca ccataatcga taacctacaa ctcctgcgac   180

aaacttgatg aatgcttgga tcatccacct ttctaaaaaa tgcatgctcc aaccactgtc   240

atttcccaag aaaagtgtta tgttcaaaaa cccgtgcata taatcgcttc atcctctact   300

gcctatgcga aagcttaaaa gaactaacca cctgaatcct ttgtggctct ctcacccttg   360

ccgaagaaga gcgacaaccg cctgatgctt tgtgactctc tcctacaaag atcgaagact   420

actgctgaga tcttagaaca tcctacccta aacaagacca aggg                   464
```

<210>   30305
<211>   566
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30305

```
ngggatctta cccggaattc gacgnacnna tncatancga ncnaaanaat tttctncncc    60

gngngagtag ccctcgaggt ggagncngcg ctggatagca tngcatgcaa ttggatgant   120
```

```
tttnnnnaag ganagaacct cccggctgtg tattgtgtaa ccacacaagt ggataccctg    180

nnagatattg tcccccgggg gtcaaggaaa acccttgngg acgatcaagt tgtggcgcta    240

tttgcccnat acccagcctg accaatccca accaaccccg gcataatcag tcatttgaga    300

acctgtaatg tacctaagca ggcgatgctc tggcagtcaa cagatggaaa ggaaaacaaa    360

aaccaccaaa ctatgggagg cttgttggtg ggctggccca actgtgaatt ctcgtgaatt    420

atagtggatg gtagccctct ggtaatcnat tacctaaggg ctgggtaatc gattacaaag    480

cctaaaaatg aaaacaggag gctatgattg tctctggaat ccaataccac gggtgtatct    540

                                                                    566
attaccaggc ttggaaacaa gtcacn
```

<210>   30306
<211>   490
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30306

```
cggaattttt agttcttagt atcttgcacc nctnatnaca cagcagcctc tcgaagcgag     60

agcnnaggag agaacccaca taatggtcca atcccnccca naccaccggg agaaattgaa    120

attccaattt ttaaaccctg tatccgatta cacaattgtg gtaatcgatt accagcagtt    180

agtaaacgtt ttattccaaa tttaaaaagc tgaattcgat tacacaatgg ctgtaatcga    240

ttaccagacg ggatttcaga aaaatagttg caagagtcgc aactttataa atgctttaca    300

tctgaccacc atgggctatt tatatgtgac ttaacctgaa attgctcaga gattttcagc    360

caacagagtg ttatcctctc aaaagcaatt tcatttatcc tcttaagata tcttagcaat    420

tcaatgcatt cttaaggatt aattgagtgc tcatctgtaa atccatctcc tcaagaagat    480

                                                                    490
ttgttctttg
```

<210>   30307
<211>   414
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30307

```
agcncatagc tctctcttca cggaatgcca ttatggagtg atcaatggat attcttcttt     60
```

```
caagtgcatg atacaaagat atggagttcc aagtgggaaa tataagttgg ttcccatagg   120

aactagagag gttgctaacc aaataggacc caacacaact attgtaccta aatctacatt   180

ctatacattg ttgtaggtga acctatcaac agataaacaa ctatggtatc ttgataacgg   240

ttgctcaagg catatgatag gagacaagtc aaagtttatg tctctaaacg ctaaagaatg   300

aggatgtgta atctatggtg ataacaacaa acggagaatt cttggtgtag gtaatattgg   360

taattcccta actatctcca tagagaatgt cttatacgtg gaaaggctga aaca          414
```

<210>   30308
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30308

```
actttattat gctgctcctn ngctnntaat ccactgctta atatccaaaa taaacttgca    60

acctttgact tagacttgag aaagaaatcc aacacattct ggtgaaatca tctacaaaga   120

taatgtaata tttactctct ctaagtgaag tggtcctttg aggtccgcca aatttgtgtg   180

aatgaactgc agcttctcta ttgctctcca agttgattgt ttgaagagta atcttggttg   240

cttgccatat taacatgttt cacagtttgg taattcagaa tctaaatgag gtaatccatg   300

aaccaactcc tttcattgca tgtccaacat aactgcatga tgataatggc ctaatctttt   360

gcgccagact tctataatat ttatagtaac tgg                                393
```

<210>   30309
<211>   276
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30309

```
acccatggcg gagcgaggca gagcgtcgat tccttcttgn cagngnnaga agaaaagatg    60

gagtagcaaa ctaaccctag cgcagagaag agatattctt cttcgcggta atatgtgcag   120

tggcgagctg gccgaagata cctgacctgc gttcgaaaat caaccccctt ggaaatccca   180

acactagtgt ggtacctgtg ctcgacgatt gggtggtcaa ggggaagtac cttcggcgag   240

cagacttcga cgcatcattc gtgaccttcg caaacg                             276
```

<210> 30310
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30310

```
agcttangtg atcataattg cctcaatcat ttccaaagtg catgtgaatt anggagcatc   60

aacaagaatc aagccaaggc tattgtgcaa gcaatcaatg nggaaaaaca caccacatga  120

ttatgatgat ggatggctca aattctcaca atggtaaact catcactttc aaattgagct  180

ttcaaaacta tcatgacatg tagaggagaa tcaaggattt caagtcacaa aatgtcaaga  240

acttttatta tcaaaacaat tacccatttg ttgaacatat cctataattc atagaaaaac  300

atgcaaagtc gtacatgcac acaaaattga cccataatat taaactagaa atccgacgaa  360

actaacaaca ttaacaaatt aacacaacta acaaattaac aaaccaacaa tactagcaaa  420

ccaaagaca                                                          429
```

<210> 30311
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30311

```
ttgagacaaa tgtggaatgn tgagcactnc aagatagatt ccggctatct ccatggggca   60

agagggtaat gaaagaactt ccaatgacta ctcataacat ataatgatct gcctcgctgc  120

tacgatatca ctactctaaa atgagaaatt tcaattttaa gtgaaagttg tattaatttg  180

attatgaaaa tggtgagaat atttttgcga tatacattca tcaagtaatg catagattca  240

cacacgcaca cgcacacacg cacgcacaca cacacacaca gacacacaca cacacgcaca  300

cagacataca tatattaaac cactatacat cattcacatg acaagatata attcagtgtt  360

cacatgtatc taaacttgta attgcatgcc cactcaacat cagtgaccaa ctaggaagaa  420

ttgaaacaga catactctct aaagaactn                                    449
```

<210> 30312
<211> 420
<212> DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   30312

agcttactat attgcaattg gatgcttccc gccaccagtg atcaagcctc tttgatagcc   60

ttaaacatct ttctttcatc aatgtgcaca ctataatgtt ctctgaaatg ttcatgtggc 120

tccacatgat ntangtttgg atgaaaccta agcttatcag ccaccctttt ttccatccat 180

ttcattgtag cttgtttatt nttgaagacc cttccatata tgtgctcctc caaaaaagtg 240

ttgatttgaa agcttcttgt aacttcgaac catgaacaat aaatttccca tgaacatcca 300

acttgtttac aacgcgctct agcttgaatg ttgtcaactt tacccatttc agatctcttg 360

catggaaaat agttaagtct ctaacaactt caataaacat tntgatgcta tcaaactcca 420

<210>   30313
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30313

gccgatttag ttnttgtcgg cgagaggatc gaagtttgtt ttaattgttg anaatnngat   60

natcctactg tgatgattgg gattcctang gcanatggag agagtaagaa tgagggagga 120

acccatgcta tgactgccat tcctacatgg ccaaatttcc caccagctca acaatgtcaa 180

cactcagtca atatcagctc ttctcattac ccaccatcct atcaaccaag aacacccaat 240

catccacaaa ggccacccct aaaacaccaa ccagagaaag aattttccag caaagaagcc 300

tgtaagattc accccaattn tggtgtcgta tgctaactta ctcccatatc tactcaataa 360

tgcaatggta gccataatcc cagccaaggt tcctcaacct ccatttttcg aggatacaac 420

tcgaatgcaa catgaactca tcatggagga gtctc   455

<210>   30314
<211>   326
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30314

gggatgcctg tnctncnnnn atagaagtcc ccgacgngag gacggaggag cacttgttct   60

```
tgaaaccaag gccactgttc ggaatccaca ctgacttcaa agaggaggcc ctctcataca    120

tgattcaacc tccccaacaa atattgctag gtcgaacccc gttggactca actcccacga    180

tcctacatat aagaggacac aatggagtct agtgggcatg atcacacaac gtgctgaagc    240

acgaagatgg actgcaccat tggaccttac cctcatgaac ttaaccaggc catctaatgc    300

atagcccata tgactgaaga gaactg                                         326


<210>        30315
<211>        387
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        30315

gacctaagta aactaactcg cttagcacga catgctggct tancgagtcc atacaaactc     60

agaaattaaa aactagaatt ttaaacactc gttaagccga agtacagtgg cttagcaagt    120

tcatacataa aagcataaat tcaaacataa atgatgaaca cgcttatcgg gacagggctg    180

gcttancaag ttcatcagat aacccagaaa ttcatccaaa attgatgaat tagcttagcg    240

agtacatcga aatttccaaa aaattggggc ttcgaagccc ctactttcca gtcactttca    300

ggcctaagaa ctctaatcaa aacacatcaa atgaacctac attacctaag aaactagatc    360

cctaacaaca tataatcaaa caactag                                        387


<210>        30316
<211>        406
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        30316

cagggatgcg cctaatgcat gaacatattg atattaatgt caagcatttc gttcttcgag     60

atgacgatcc tgagaacttg aataaattac agcccagaaa tcaaccaaat tagtgcgatc    120

catcttgttc tttaattaat catccactgt ggcaatatga tccacaatta gtggggtaaa    180

gtttatacac aagtcagatc aaaataagag aattntaagt ttatgcaaaa cattggatat    240

tattcctcan aatatattan aatgaatgac atatatgtgg cattctcgtt gtgaagaata    300

acatttcctc cactgacacc tcatgtatag gttgcagcca gcatgcatgc aatgagatat    360
```

atatggatga aagcaacaag tacgtgtctg agtngaactt gaacta   406

<210>   30317
<211>   465
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30317

ngggtgtatt ctttnatctt gcannncgcg aancaacaaa cncaggcttg gaagagaagc   60

gttgaggcca ttgattgatc ttcatgttcc gcancggccg ctgagtgctc ttgcgtctgg   120

acgagaatga cccactgatt cttcctttgg tggagacatt gttcaggcgc aaatgattca   180

gtggatggct cgactcagag gaagaagatt cggtagtgta cgtttcatta gggagctact   240

ttgaactttt ctaaagacaa atggaagaaa tcgcccttgg gtattatatt ggggacgtcc   300

atcttgtggg tcgtaaataa taagtactaa ctgaaataag aagaggagag ggacttggtg   360

ctcgaaagaa ttggaaagtg gggagatagt acatgtgtct ctgtggaggt cttccatctt   420

ctggggtgtt attacccctt gggtggaatc acctggaagc ctgtt   465

<210>   30318
<211>   324
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30318

tttttgttt attggcntac tcaaaacagg accacgtttc atatttcttc cctagcatng   60

acataactgt cagttactgt cgaggcttct ggagcatcta taacttgttc actatattct   120

gtgcgacatt tgcgtggata agctgcatca aatctctctt gtctctctgg attccttcag   180

cacgaaagta gtttatggtt gtcaattgct tggcaactgt acttcgtatc tctactttga   240

caatcttctt ccgtatcgca tgcagagaag cccccttctc aagctcttgt aacaatactt   300

ttcttgcttc ctcaaatacc atct   324

<210>   30319
<211>   618
<212>   DNA
<213>   Glycine max

<400>   30319

cgaagcgatg acnactangn ctctacgaan nnccgcgaca cnatatgaat aatcaatgct   60

tgnnaggatt atgggagtac gccgatcaca tgtgtgtact attgtgtgtt ggtcgcggcg 120

aatggtgcac acgcagagtt tatccgacat attttatant gcggcacata gaacaccaca 180

natcgcccgt gtgggccgca cactaccaag ctggagcgtc agcgtacctt cccatcgtag 240

gccccaatat ctctcngtct tcgtcatcag acacgcagag ggccgctcat gcanatctcg 300

tcgctcagag cgtatcccgc agacaatcgc gaaggtagat ctcaaactat tgcaagacag 360

ccacaacacg tatcacgagc gcaagaaaaa catgggcgaa agagcagaag aactcatgcc 420

ctaaaactac caacgcaaaa gtcacgagct ggttcccacg ttaaaggacc gccagtgagc 480

atttcctttc gatccaagtt cggtaaccag ctggatcgac tcagtaaatg ttactggaag 540

tctctactac aaaagcctac attttgaccg ttgagatatg ctagcacata tccagaagtc 600

attctgcact actctttn
                                                             618

<210>   30320
<211>   399
<212>   DNA
<213>   Glycine max

<400>   30320

ctagccggtt ataaggcaca tttattctga aattntaatg gaatgtttgt tgatgttatg   60

tgctntaagg ttttatttt cgtttattta taaaataaaa tctgtccatt tgtatgaata 120

gacaattatg catagttgta acaagaaaaa aaaaaaaaaa aagagacact tgtgcaaagt 180

caattcaacc attgtatctt tttttctcat ctagaagttt gcatagattt ataagaaaac 240

taaaaagaat tagtgcaaac tccaaaattg atccttcagt ttttgtcatt aaattagttt 300

ctcaacaata gataagaaaa aaaaaacact aaaattcatt ttcttgtgtt acaaaaatgt 360

tcagaggttt aagatgtgaa gtgtgaacac tgtaatctt
                                                             399

<210>   30321
<211>   139
<212>   DNA
<213>   Glycine max

<400> 30321

tcgcggactt aagtcaatgg tcaaaccttc accattctac gcttattcca ccaccttggc   60

cgagacctcc cctaggccac atgtccttac catgtgtgct aagacatgtg tgctttcctt   120

ttgggcttct actgagtct   139

<210>   30322
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30322

agcttgttgt tctttgtgtt tgctggtggc aaatgggttt attgtattac atatgatgtg   60

ggggtgttag ctcacaactt gtgtgtcaaa ctcatatctt tatcaatatc agatatttgt   120

gtgcaaaaaa aataaaataa tgaatattaa aaatcaccgc aatattaaaa gttatttcaa   180

aatttaaatg ttaatataat attaattntt taaatgaaaa cttagaaagt attaaaataa   240

tacaattaaa aaatataaat aattaaaatg aaaattntta aactcaatat attaaattga   300

aactaaagta aaatttaatg taccaagtgt cattaagtct tttaaataat cacttaaaaa   360

tatcaattga tgagatttca aataaaaata tttacatatt tgcttatgac anaaataaa   419

<210>   30323
<211>   479
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30323

gacacaatat aatacagcag ctgtggtgtt ntgcatgctg tttggtggca ctaaagacat   60

ttgttctccc cttaatctaa taggccttgt ctagattgtc atgttcaatc agaaaacacc   120

aggtgaaatg gagtctggaa ctctccacac ctataaacag ggctagtaaa ttttggtttt   180

ttgtttttatt tacgaaagat aatggatctg atggagcaag cagatataat ggcacaacaa   240

gttttcccga aggaacttat aggtttagtg tcttaatata acaagatgtt aatcggattg   300

cctgttatat tagaagttga ttgaattcca ccaagtaata gcattcatag gtaatgttgc   360

acagacaata aattaaaatg tatattntct gcctttttct tttcttggaa gtcgatgcaa   420

tgacatgctc ttcactgtgg tgagtaaaag ttcagataca tctacatagt atactaata   479

<210>   30324
<211>   479
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30324

agagcggtta gttcttgaga tcncgcaata ntgctctgta cccgcgatcc tntanaatcg   60

aacctgcagg cttccaacct ggactattcc catcccaccc cggccttatt cggccgtgga   120

gaccttgtat gtaacttaac cagccaacct cttgccgtcc accaattaaa tggaaaccag   180

aacaccaaac cagggagcct ggtgtggcct gcccacctgc aaattttggt tattatgtga   240

atggtggcct ctggtaatca ataaccaagg gtgggtattc gatacaaggc ttaaaatgaa   300

gacagaggct aagatggctc tggaatcgtt accacgggtg taatcgttac caggcttgaa   360

acgatgtcan gaagctatga agcctctggt atcgatacca agtgtgaatc gataccagct   420

tataaagaac tggagtgatg aacctctgaa tcatacagcc tggtatcata cacaagaag   479

<210>   30325
<211>   488
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30325

agagatgact tgaacgccca aaaaccgctg tgagactttt gaggcgtact tactcatgtt   60

cttatgggat tcccctggaa tcagcggaga tataagatat atgtgagagg aggcgccatt   120

cctttaggaa taagccctgg gagaagggac cttcccacca cagatgaagc ccttggatta   180

agaaagcttg gagaaagatg ccttccattg gaggaaaatg aaagaaggga gagaaanaag   240

agaggggcgg agcctcgana cttgatggaa taaaaagagg tatagaaatg gaacttttga   300

agtatgtctc acaagactct cattcatcaa agttacaaca agtggtacac atgcttctat   360

ttatagacta ggtagcttcc ttgagaagct ntctagagaa aacttncttg agaagcttct   420

ttgagaatac ttccttgaga agctagagct tagctacaca cacgcctctc ataactaagc   480

tcacctcg   488

<210> 30326
<211> 219
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30326

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ccaaaaccag cttgaccaat cccgacccac cccgggctta gtcagtcagt gagaaccctg    60

tgatgtacct aaacaaggcg agctcctggc agtcaaccga taaaagaaca aagaccacat   120

agcaaggggg cttgtgtggt ggctggcaag ctgtgaatct tgtgtgatat atgggatatg   180

gcctctggta atcgattacc anaggtgggt aatctatta                          219
```


<210> 30327
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30327

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agaagcattg ctgagactgc accaaaaacn cagcttatag tgcggtcttg gagacaaagg    60

tcagnggtcg ccaatattgn agatgaggtc ccaagtcctt cggattgggc ccgaccatgc   120

cctctgatnt ccactgggaa attggcgaag ggatgaaccc ccccggcttt accccacaag   180

cattatgtaa cccttaccgg ttttaaaaac cctataattt ggccctagct ttagaagttt   240

catttagtaa aggcttgtgt ctttggtttt gaattatata ccaagatctt cttcatctga   300

tcttgtctct accattctca ttctttgcat gttacttctt ttctgaccgg cagattcatg   360

acgagtcccc gagagactaa tacctggacc cgctatcaac tcgacaagaa cgatcaacgg   420

agatgaagag agagatgtgg acttcttcga ctagaaggtg gccg                    464
```


<210> 30328
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30328

```
cgggcccaga aggagatttg accttaatct tgcnnattca tagtaccngc actcaagagg    60
```

```
accgaggatg agcaaatttt tcttaangac ccaacccaaa gatttctcta taccttgtta    120

aatctaggaa acctatgggt cagggcaatt tactctaatt tggggaagga accattagaa    180

tgaaaaggaa aaggtaccat tacccccac aaataagtgt ttgttaaaaa agaagcaaaa     240

aaataattgt gtggtaccaa aggtgaaagc acttacgaaa tgaataggag aagctattgt    300

acaaaacaga aagacattgg attatctaga cttggctctc ttaaactaac gttgaatcta    360

aaaaccagga ttttttgacca cacctcctac acctgaaaat cttctatcta ttatattttt   420

acttatgact a                                                         431
```

<210>   30329
<211>   341
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30329

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agcttttata ggatttattg aanatctcga ctntatgtgg gcatggatgt ccgttagacg     60

tattatatta caattagtat agaagtcttg ttattaacct catctattat tttattagaa    120

tcatcttttt gtgtattatc ttattagaat ctctaacttt tttaaaaaaa caaagacatt    180

ctaagatggt tctttgaaaa accatcttag aaagtataca ttctaaaata attnttgaaa    240

aaattatctt agaattctta atatgtttaa tttaaacaaa aacgttctag ccatcttaga    300

aaatatacct tttaggaagg gtctttgaaa aattgtctta c                        341
```

<210>   30330
<211>   489
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30330

```
gagtagttaa gtntctgaca caanatactc acagcggagg aaagaaggcg cacggataga     60

ctgcattgta ctcctggtag agactgatta atggggcgtg gagagaacac ataagacacc    120

ttcgtatgtg cctacctata aatctctcag cgtagcccaa gagataaaga aatagaaaaa    180

ccatgtttga aatatgctgc ctaacgtctc tttactgtcc ttacatgtac ctactatcca    240

tgaggatacc ggatgccgat aaatagtctg actaattcag aaaatgggac agtccgccga    300
```
```
12652
```

```
ccagttagtg gatcgagttt cgaagaacat cattcgatgc tgagagtact gtatgaccgt    360

ctccgaatga acatgatgcg tgaagggtga atggcattat gagacgacct acaggcaagt    420

tgcatcgagg agacaccttg gcatagtgga gtgatatcaa gggataatca accgattgac    480

caagaagcg                                                            489


<210>      30331
<211>      397
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30331

agcttcattg atagaaattg gtctaaattc atcaagctcc tatgagccat caacttttgg     60

aacaagtgta atgaaggagg ggttgacccc cttgtgatta caccatgttc ataaaagtca    120

gcanaaacct tcaacacgtc atcctttagt gttggtcaaa actttgtaaa gaacttaaat    180

ntaaagttat atggactcgg acttttgtta ctatcacagt tccttactac ttctctaatc    240

tcactctcct gaaacttttc aacaagcata tcatttttca caataggttt atgtttgaac    300

gactctntaa gcccccctaa ccttggtcta atcccccctc atattgaaat ctcctctcaa    360

agaaacactt canattctct ntaaccagca ttggatc                            397


<210>      30332
<211>      448
<212>      DNA
<213>      Glycine max

<400>      30332

tatgtagtta aaaaggttag tcttctagtc attcaaaatg tcttttttggc tcaacagacc    60

aacctatgta aataaatacc aataattcca taataataat attattgtgt gattaactta    120

ttactataat actttaatat atacttgtta gcctatttaa aggattatat tcactagctt    180

gcatacaagt gtagactcat tagcctatgt agaagtatgt aacttattca aattcaatag    240

acctttacca catagtaagc atttaaataa acttccaagc ttaaccaaac ttttaaaatg    300

tcaagccatg ccttaaaaaa gcccatatcc aggaaacaag gcagagctca gacctttgat    360

ttgtaaagta agacacgctc aagccttaaa tcctaactta actcaatccg tttccacctt    420

gacctgatca ttacccacgt ctaactaa                                       448
```

<210> 30333
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30333

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agctttattg taatgttacg ctccaacatc attttgagac gcacagtctg cacaacattc    60

atgaaaacaa cagaggtcaa cagtntaaat atccaaggct aacggagaat gtgtatgaag   120

aataatatat ggcatgctta cgtgtaatcc tttttttttca aaatgaagat gaaaaaatct   180

aatgttgtca aactactatg tagcctctat ganaagatga cctcttctca gaagaaggct   240

tcaatcaacc agagttaatc aagagaacct aagtccccaa tatagatata caatgtatcc   300

atgacaaact aaaatataca tgtatacata tattgatata tacatattga aacaaaccca   360

ctagccacaa gctgcacata tatatatata tatatatata gcaataacct taagag       416
```

<210> 30334
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30334

```
tataaaactc aagggatgat tttgcaagat ctcacccaac agatcatctt tttcaggcct    60

agtnngcaga gcttcaattt ccaaccaaca catgatggta tntaacattc taattatatg   120

tggaatagga tttgtggacg atagggcgct tgtttatatt ctccaaaact tcattaggga   180

acatgttcta atttggatga tgcccatgtt gatnttccag ttaggtgata aataaaagga   240

actgtccatg gattactgga tgaacaaaaa taagtatatt aaagttntgt atcctgctcg   300

atgtctgttt tagtcaacat ttgagactta cttaatgttg acagtagata aaacattttg   360

aactgataat tggtggtgtt ctttaagctg tatgcttgca ttacatttnt cttctttata   420

taataattag gtcatagcta tttctacgtc tcaagtgtnt attcatg                 467
```

<210> 30335
<211> 501
<212> DNA
<213> Glycine max

<400>   30335

agacttctat tcattcgatc acacncnaat naagctcgng cgcgggatcc tctgagncga   60

cctgctgcat gcaagcttgg ttcnatttnc tcaacatang caacaacgag cgatggtcat   120

tcatagacca ctcacccaaa tatctgagtg cgctggctac atcaaatgat tgtgctcacc   180

tctttcggcc gaatcgatta tatatatata tctcataaca aatcctacct tcgtataacc   240

acctgctact agagttgcag gtttcctcaa cattgctaga ggacatatgc cagccttctg   300

atagatctga tatacaacgt atctgcttcg ctaattgttt atgacctggt attgaaccag   360

acatatgtgg cgccatctac atatggctat atgcagtgtt gaatacactc acctgccatc   420

aatgagatag ggtccttcag tgttaccgct tcatagcttt caatcacatt tacggccatt   480

tttgagttat gagtcggtcc g   501

<210>   30336
<211>   488
<212>   DNA
<213>   Glycine max

<400>   30336

gagtatatac tgagtactcc ccnctaacac naagctggag atatggcggc accataggca   60

atatgggcca cttttgctcc attctagcca tcangacata aggaggcccc tcctgaccat   120

ggaactccat atactgacaa tgtgaagaga gctataggca gcaatgggtc acacatgcgt   180

gatctataat gtccgaagca tggacagatc cggaacaaag actcatcatt aatttttttga   240

ttaactctcg agctggaacc atagtgttga aaactgttaa tggctcgaac tttgttaata   300

caggggaaaa tcttttccaa tcgcctgatg ccgctggaga cgaagctgtt aaacaaatgt   360

tattctagta gaaaccaaca atgagaacta ctaatgttta tccgggaaat tgttggagga   420

aacaaggaac atatctattg actccgtgag cactcattga tctaattatg ctccagatat   480

tggaaccg   488

<210>   30337
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30337

attacctttt acctcggtgg ctgaatgaag tcccgtatat attcaaacgc ctcgaattga   60

attcccaaac tttgaaccaa attccaagac cattaccttt ttcctcgatg gcagattgga   120

gtccggaata tatcgagacg ctcgaaattg attattgaac ctcaagcana ttcaaatgaa   180

catacttttt actcggatgt ctgattcagt cccgtaatat atcgagacgc ttcgactaga   240

atgccgaaac tctgaganat tcaaacgaca ataactntnt agtcagatgt ctgattcaat   300

ccccgtatat atcgagacgc tcggactnga aaagccgagc tctgagcaaa tcaaacgaac   360

aaaattntta ctcggatgtc agattgaggt ccgtatatn   399

<210>   30338
<211>   437
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30338

gaaactcagc ttcacattca attcaagcgt gtcgatatat tacgggactc tatcagacat   60

ccgagtaaaa gggttattgt cgtttgaatt tgttcagacc ttcggtattc catttcgagc   120

gtctcgatat attacggaac tcagtcagac atccgagnta aaaggttatt gtcgtctgaa   180

tttgctcaga gcttcaacat tcaatttcga gcgtccggat atattacggg actcaatcag   240

acatccaagt aaaaatttat agtcgtttga atttgctcag agcttcggta ttccatttcg   300

agcatctcga tatattacag gactcaatca gacatccgag taaaaaatta ttgtcgttcg   360

aatttgctca gagcctcaac attcaatttc gagcgtttcg atatattacg ggactcaatc   420

gaacatacga gtaaaaa   437

<210>   30339
<211>   410
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30339

tatcttatat ggcattccaa tctccttaat aagagatggg tganaaataa aatgatttgt   60

12656

gaaaatcagt ggatctgtat ggatgatacg aaattgcacc atttcaattc attcttgggt 120

cataagactc agccatccaa gattcctctt atgatatgaa tcaatagcgt tgccaaattg 180

aataaaaaac atgactcata agattctaat aactaggatc ggctgctgcc gctatccaag 240

atcagtaact atgcgttaaa tactccattg gattgcagca cccaattaag atatcaagcg 300

agcattgagt agacagttgt caataattta agaacaagct ttagaacaaa ttatctagtc 360

caacaaggga agattgaatt taacgagaag aagaagtgag aataccttga 410

<210>   30340
<211>   520
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30340

gggcagtagt gcttgngang cttcgcannn ncgcgacacn atagannac tcagctntac 60

acaatgantt tattataaca cataatcatg ctattattat aaattgtgga aggattgaga 120

gtatagtgga ttagttcgat gaatttcatg aaatttatat tggttcaata tatttacatt 180

taacctctat tatataatac tgaatatttt aagcagtgac aaaatgctta ctatcaaaat 240

aaatatattt atgcctgatg atgcttacat gtgagaataa gcatgtgaat aaaagaaata 300

cgttataggg attcataaat tcctaaaatg tatattttaa gattttcact cgtttgctat 360

tctgcttaaa taacttgaca gttggacacc tggacaccca ccgaaatttc aatgctcttc 420

ataagtcgac tattaaatgt gtcgcgcgtc actaatttat ttagattcta attctatcga 480

aagaaccact gtgttttaat cattctataa tagatatagg 520

<210>   30341
<211>   360
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30341

ttttcttctt ttaaagaata aaaatgaang aaggtagaag agattataaa aaaaaagatt 60

accttcagag naagaggcct ataataatat ttattnttta ttttcatatt tactctaatt 120

aattcaagat aggtcatgtt atgcattcca ttgtccctct catntcacat tagaagggtt 180

12657

attcttatca tgcacaacat aatcatttat tttaggtaat atctaatatt tgataatcaa   240

tattttttta ctatataacc aaactcacaa ttcanaatat ttgataagaa acatagaaat   300

caaactaata tataaataaa aatacccaaa ataaactatt agaaaaatcc ctattacaca   360

<210>   30342
<211>   324
<212>   DNA
<213>   Glycine max

<400>   30342

acctataaaa ctcagcttct cctccggtat cggttcaagt cgattcatcg ctcttatatc   60

ctcgcctcga tcacactcca ctcggatcat caacgccgtc ttcattttcc tttacttgtt   120

cttcggtttt tgcgtcggag ggagaatcgg aaccgaaaac gagaagggaa aggtctcttc   180

ttctatggaa gggagtgaga gtgggagagt ggcggcgggg actacagaga agggagaatc   240

ggcattggaa ttgaagggca gaagcggaat atgaagtgtg ggaggggtga atggaggagg   300

gggtgagggg acgtgcctct ctcc   324

<210>   30343
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30343

naagctttag tagtagaatc atgggaccaa ctcattntat ttcanaaagg aagtcatatc   60

tagtcaaggt ctgagagacc atacaagtnt cctaacgatn tctaattatg tgggccatta   120

agtctatcat atgctgacaa tagccgagaa gcccatgaat ctcttcnggg cggagtangt   180

gtctgccatc gccttggcct tggctaacaa tcggggaagt tcttgactcc cgttcaaggt   240

aagagcaaac cgatccatcc acatggttgc ctcttggtgt aaagagtcga tcacccttcc   300

tctagcctct ntttccgcgt atacttgggc atactcatcc gcgattctat gctcgtgggc   360

cgtggctaga cctaactctt cttggtactt ggcaaagagt cgatcaccct tcctctttca   420

gaaccatgc   429

<210>   30344
<211>   467

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30344

gagcagtgct agatcctggc catcaaactc agctnataag cgcgggttcg ggagaccaaa 60

ggcaagccgt cgcattttgc aagattatat cccgagacct tgggattggg tccaaccatg 120

ccttcttgat ttccagctga gaatatgggc gagtggagga acgccccggc atttacccca 180

caagcctaat tgtaaccttt accggtttaa aaactctata agtgggcctt aggtttagag 240

gtttttcttt tggtaaggct tggggctttt gtttttgatt tattatacag agatcttctt 300

catctgtccc tggctttacc attctattca tttgatgtta ctcttttctg aacggcaatc 360

gatgacagtc cccgaagact aatcctggac ccgctatcaa cttcacaaaa atgaataaac 420

ggaaatgaag gaatgggatg gggactcccc agactagaag atggtcn   467

<210>   30345
<211>   408
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30345

agcttgctct atctttttct gaattcatgc ataagatact gacagttntt tcctanacat 60

ttctaagaac gaaatagaaa ctgaaagata tggtatcgat aatcaattta tcttaatgat 120

aaagtctaag agaatataaa gaatctagtc tggtatttct ttttacctat ttaatatntc 180

taaatattat gagttctcca tttagttttc tattcttcag agacatgtaa acacaataaa 240

taaaagactt gccaaagcca aaatcatatt tcaactataa ataaacaaga gttgcgaaca 300

cgcgtgtaga taaattgacc actaattctg gttcgaagac cactaaataa attgacgagt 360

ccactaatta aggagtgtct aatcgtctag ggagtataat gtatagta   408

<210>   30346
<211>   335
<212>   DNA
<213>   Glycine max

<400>   30346

atagcaatat gcgaaatgtt tttcctaact cctacttact agtatgagat gctgttttac 60

tcaagatgct gacaacaacg agttagtggg ttatttcata ataccctaat ctatctcttc   120

tcttcatcgc aagcgacaac atagcgtaaa atagtctatc ctatgagagc atcacaaggt   180

ggactcaaac tgcaaaggaa gcgagcatgg tcttagcata cacggcaaca acatgtgacc   240

ttgggttggt cttggcaatg gtattggctt cacggagaat ggtgccacca actgcggcaa   300

tcgagactaa tgaacataag cagacaacta tcaac   335

<210>   30347
<211>   365
<212>   DNA
<213>   Glycine max

<400>   30347

gttgaacatg attggattga ggatttgatt gacaaaatgg attaggggaa tgtgatttca   60

aatctgcact tatgcagaat ttgctggtca aaataggtgc cagcaggatt ttaactttgg   120

tgcaaaaaat gcttgtgtgt ggttggctgt ggaaagagta ttacacaatg agttctggat   180

gtttgctagt agatccccac ggtcacaatg taagcttatg cactatagac ttccagtaaa   240

attttggagt cgatccaacg gttaacgaat tggatccaaa gaattgtact gtggtcttta   300

aatgagaaaa ctatgatttt ggtgatgtgt gagcaaagta tctgcctttg ctctgtttgt   360

tggct   365

<210>   30348
<211>   475
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30348

nggaggctgt ncatgcgtan tgctnacnan acaaacncaa gctnatggga naacatcaca   60

tgggcacnaa gaagtagggg gggaaaatta tgggagagtt ttncactaaa taccaaggga   120

gttagtgatt tacagaagaa gctacatctc acagaaacaa gaaccacaat agccttgtca   180

agcttcagtc actagccttc aattatatag aaggtccgag gaagacataa tacaaagaat   240

taaatgaaag gaaagagggg gagtttgcta aatgggggca caagaaacct aaggggggatt   300

ttctatgcga catgtaaagc catagctatt atctggacca tacatgccca ttctgggcac   360

                              12660

acctagggtg atgacagatc tgctggtagc ttgtgaacaa caacacagct aagggcacat   420

acacaagcag gcacgtctca aagaatgatt agttcttgtg tgtggacctt ggggg   475

<210>   30349
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30349

agcttacatg gtctcgatat agtgccatgt aggactgcgg ggtctgtggc aatgtggcat   60

aactcgtaga aatgtgtttt gttttatttt cggacaccaa tatgnttact cggtagtaga   120

attgcatttg naagttgaaa ttanaattac aatnaaggat angtttgatg aatggagcat   180

ctgtatatan ttttgcgctt atagatagaa gcatttacat tgagcacatt ttgcttttgc   240

cttttgctta tatgtattgg ctataaggtt ttggttaact ggttntgctt taaagttgct   300

ttgaactgaa atccaagtgc taattaagat ttgttgtagt gtagaatgca acaaggtggc   360

ggagtggcat aagtctcaag aatctcanag aaaaataacc ttaataactg ctttgcatac   420

atgtaacaat   430

<210>   30350
<211>   513
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30350

nnaatggctg ggcatagagc anctncaaca ananaaacac aagcnnatcc ctttggacca   60

acatgtgcca gttcaattac caccgcctgc ttcggtcttc cgtgggaaaa cgtcaccggc   120

gtgttctccg acaccggctg gtacgccacc aaccaggttg ccgttgacgt cattcttcag   180

cacagaatga aacaataccc atgcctcact cgcgaaccct ccgtcggcgg cgcgttcttt   240

cgttcctttc tacgcgggtt cgacatcgct cgctaccttt ggggatacaa catctcaatg   300

cccgacgctg catcgctaga cctcgtgaat tggctcatga atagaccgga gtggaagatc   360

atgaacggga gagacccatt tctcgttgcc ggtaagatca ctngngatnn tcggagactc   420

actgaagaag aatcggattg ggggaacaag cttttggntt ttactgctgg gaaaacatgt   480

12661

cgatgcttgt ggtgagtcna gtccgtgaac gcg   513

<210>   30351
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30351

cctgctttc ttttctcatc canaaggatt ccggcctacc tttcttaatt gccagtcacc   60

ttcctgtgtc ttcctttggc aaccttcacc actgcttcaa ttcatgaaga aaaccttagg   120

cttctcacaa atcttgcatt tcatttcaaa cccaagtcat accaccaatt ttcccaaaaa   180

gataaaagtg gtttactggc atatcatcaa agtcaagtca aactgttcca tatgcttcaa   240

gatgagaaaa gcactactta taaataaaac ttacaatgta ntataacata gaataaatat   300

tgtactanaa ctataatcna tatactaatt atcccaaaag canaaaacaa atgtcatcag   360

gaattcaaaa ttcctgtgac tggtcttgag tgtcctatgt ctgcacatnc ctctcatctg   420

tcagatgaag cactan   436

<210>   30352
<211>   454
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30352

tggcaataaa tactcctaca ttaatctctt catgctttgn atgnnnggct cgnccttttgt   60

cacgggaagc cggaaggtcc atatcacctt cttaattgta cacatggggc actgcacccc   120

caaatgcaca agtaagaaga dataattttc cgggctctcg tgtccgtaaa atgcattcat   180

atcatgcatc gcataagcat ctcttcataa catcatagtg dacatatcct gcatttgtcc   240

gttatcatat tccagcctca cattntgcat gagtcatggc atcatcatgc atatgcgttc   300

aacanacttt ttgatctgca aaattgcata ccatttgttt tcatgtttgc tcatccttgc   360

gttntcctct acaaaacana aacaaaaaag ggggaagcgt gaaacttcat actacattct   420

tagtttcatg tgttaggcac cacgagccaa ccat   454

<210>   30353

<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30353

agctttagtc ttttcaactg cacaacgctc ttaatatggg aagagtatcc ttgtggaacc   60

ttcacctgac gaagacactg acaataactt atctttttcct tcttggacaa agtatggcag   120

gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtgc tcttataccc   180

atatcagcta gatcttgacg ggtattcaag ccatccttcg tcttgccttg aatgttaagg   240

agcgtcccaa tcacactgtc acaaacattt ttcttcacat gcataacatc aatacaatgt   300

ctaacgtcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt cttccatatg   360

caactctgac tnttatcctt cttttgggtc ttcccaaata cagt   404

<210> 30354
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30354

aagctgggcg tcgacanngc tgcgacacna tagaatactg cagcgtgtcg attcattcta   60

tgtacccgta gcaggccaca ttgtgtttct tgcattacta tccacgacga gtggactggt   120

tatacccagt gaggacgggc ttaagccatt ntacttaagg cgtgagtcac ttaactgaag   180

atagaaggaa tctgccccga acggttgact gatattatcg cgtaacttcg ggtggaatca   240

attgcgaccg ttcggtcgtc gcgaaccacg ttggaaagca taaacaggta gaaaacaagt   300

atgtaatcga agaaacatct cgttagtaaa tagtgcggga agataatcgg acggtttctc   360

tttgggatgt ctcatgctta atcgagttga ttggtactaa ggtgaaacta gagttagatc   420

aactcgctag gcagctcgcc acaaaagagg cttggaagtt gcgttttgat gctcctaaga   480

aaatggagat gtgacg   496

<210> 30355
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30355

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agcttaacta tatgtatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca    60

aacataaaaa gggaaaaggt aatatngtag ccgatgctct ntctcggcgt catgcattac   120

tttcagagaa tggtttcttt agacatgaag gctttctttt caaagaaaac aaattgtgtg   180

tgcctaaatg ttctactaga aatttgcttg tttgtgaagc acatgaagga cggttaatgg   240

ggcattttgg ggtccaaaag actctagata cattacaaga accattttat tggcctcata   300

tgataaatga tgtgcacaat atttgtgaac attgcattgt atgtaaaaag gcaaagtcta   360

aggtaaagcc tcatggattg tatact                                       386
```

<210> 30356
<211> 380
<212> DNA
<213> Glycine max

<400> 30356

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atatcttaag ctgtagctac aaccttgatc tccccctttg gcgtcatcat atagccaaag    60

aactcggaga tgagcacagt gataacaatg gagtagcaag atataagtat cagagtatta   120

aatacaataa gccaaactca taatcaagaa ataatgaaac cagaatttaa ataacataaa   180

atgtcaacaa ccacaaaata tccaagactg aaatgtaaaa acacgagata aataagcaaa   240

gtacttagca taataatgta aatgctaaga aactaaaagc cgaaatacac ggcgtataaa   300

agataaataa tcagaatcta atagcttaga agactgagga aggggtggaa gatcgaaact   360

ctgacgaatg tatccgacat                                              380
```

<210> 30357
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30357

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agcttgtata tttccccaat ntatggncat attggagtga atntgataca tnaaatctta    60

tttatggnta acactgtctc tagaacattt ccatagaatn taattgaaga aattgtgcac   120

tttcaggaga aaaaaaagct aagttttgaa ttgcaaaata tagcagttgg gctaagctca   180
```

12664

gcagctggct aaacacatat ccaccgctaa gcacagcttg agcgcgctta gtgcaaagga   240

gaatttggca gagcatcagc atcaaagtcg cgcgctaagc gcgggatcag tgcgctaagc   300

gcagaatgtg ccttcagcca ggctaagctc gagactggcg ctaagcccaa tttcacttac   360

t   361

<210>   30358
<211>   473
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30358

actcagctag aaagcaactg gatgcgttgg tcaacttggt aacctatctt gttcttgaat   60

cagaaatctg tacctgtcgc aagggtttgt ggtttgtgct cctctgctga ccaccataca   120

gaccttngcc cttccatgca gcaacctgga gtaattgagc aacctgaagc ttatgctgca   180

natatttaca atagacctcc tcaacctcag cagcaaaatc aaccacagca gagcaattat   240

gacctttcca gcaacagata caaccctgga tggaggaatc accctaacct cagatggtcc   300

agccctcagc aacaacaaca acagcctgct ccttccttcc aaaatgctgc tggcctaagc   360

agaccataca ttcctccacc aatccaacaa cagcaacaac cccagaaaca gccaacagtt   420

gaggcccctc cacaaccttc cctcgaagaa cttgtgaggc aaatgactat gca   473

<210>   30359
<211>   302
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30359

agcttgnatc ggttttgaa tacacgncat actgtttagg acgtgacata aatatacaac   60

atgatatatt ataaattgat ctaaagtcg dacggaaatg caatgagcca gtttatgaaa   120

caatgtcata actcctgtgt atatggttat tgcatgtgat gattgataaa tgactccgaa   180

gtcttatact ttcgattaat atatacaggg tttgatactg gcgcttctta tttttatatc   240

aatctggtga taatgatgta tagngtatac gttgacttga gatgtttgcc actaattaag   300

ca   302

<210> 30360
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30360

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gagccctata ggggatggac cttttcatgt tacggagatt attattattt atgcctataa    60

gnnggacctc cgagaatagt atggagttag caccacttat aacattgctg atgtaattcc   120

ttttgcaggt ggagctgata ttgatgagga ggaactaaca gatttgacgt caaatcctct   180

tcaaagggaa ggcgatgatg cactcctccc taagaaggga ccagtctcta gaaccatgag   240

caagaggctc gcagaacatt gggctagagc taccgaagaa agccctaagg ttcttatgaa   300

cctcaaggta aatatctgaa cccatgggcc aaggttgcgt ccaattatct ttgtacatat   360

tagactagga tgtcattata                                               380
```

<210> 30361
<211> 516
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30361

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ngattgggag gatcnnagcn tcgcannnnc catnatatnc ggaaagacac acggggatcg    60

tntagagtgg atgtgcacgc atacttgctt ttatttacca aacngnaaca gaagcgcacc   120

gcatgcagca taattnttat tgtacacgaa gtntcaatta dacaaagtat cgttcttatt   180

aagaagactt gaactcattc attcctanat cctgaccnag catgatccta atgatcaaga   240

aatgcgctcc tatcctatca ttcactaaaa ctggatttcc tacaaatata accacacata   300

caagacaggg aaggtccaag gttatattgc ctgatgccca gagaacagtg agtgtataca   360

taatcatacc taatgactga tccctaaaaa ggtaatacat atggatgaca agatctgaag   420

tattactgac ttccctacat attcagtaaa taccaccatg ttggttacag agacaccta   480

caatgcagag gattgcactt cgagaacaga cacgtt                             516
```

<210> 30362
<211> 293
<212> DNA

<400>   30362

ggcaatatac tcacacgttc gcggagacaa acaatatcgt taagttgtaa gcagtcatga   60

gtgcgtatgt ttgctacact ggccagggca gcgtgcacag gattacgttg tttgcgatga   120

accatattag taatcaatta gtaataaatt aatattttga atataataaa ttctttaaag   180

cgagaaaagt cacattaatt attcaactaa ttgagtgaag tccttaaatg tttaaatata   240

ataatcaata atgtatgtac ctagtggatg tattatctat ctagttctta aac   293

<210>   30363
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30363

atctttagta acatgcagct angaacccag aacggctgct gagttcttac agacaacgct   60

gagagaaaca aatgaaaaga taggacgata ctgctttgct tatatgttca attgaatcta   120

atgagggaat cctctttcca aaggtctccc cttcctacga gactgcaaca catcagatgc   180

ttagttcccc aatacataca aatattaatg ctttaccttc accgcttcta ctatgttagt   240

caagtgcttg ctattacaac tataaccacc ttactcattc tataacttcc tataccttat   300

tagaagcaca ttaagaacaa acaagaccct aagagctgtc atggttcttg agtaagaaac   360

caatcactgg aacacatcta   380

<210>   30364
<211>   388
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30364

ttttttttaat aaattgtctt agtggcattt acgagagctg gtggatgaca gtaaagtnaa   60

tgattcatag ataattgcat tattagaccc ataccccagc tgagtatcag ccatcagggc   120

acataacaag acaagactaa gatttgacct cggttagatc ggaatctaac ccatcaggta   180

attgtgactc ctcttataga ggaatgaacc aattaaaacc atgcataana acagataata   240

tattacatat ctacagagca agttaaatgg ctcagcagta ttcatccaca gcaccacctt   300

ataagtgtca ctggcctcgc acatatttaa agatgttatt aanagaacaa agagaatttc   360

attactggtc aacactagtc ctataagc   388

<210>   30365
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30365

nttagttcct cccaataagt gcctgaaata tgtgtttctg atcttacaca ctacgtgctg   60

ttngcttgat attgccatgc atatctctat gatatcatgt gatgcaatcc taccccccaa   120

gggtattgga tagaagactc caacaagttt gcgccagaga tgcaagagaa gaccctaagg   180

ttctcatgag ccttaatgta gattttgagc ccatgggcaa agtatgagcc cacttatctt   240

tgtacatatt agattaagat atcattattt ttgggccttg tatttatggc tctataatgt   300

aagtaagggt ccctagaaat gtacgatctt tcagcccttg tattttaagg cacctatact   360

agttttgta ttaagggtac ttttgtaatt tcacatgcat taagtgaata tgtgatgt   418

<210>   30366
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30366

agggttttat ctttgaacac gcgatcgact cgaaccgcgg acttttagtg gcctgagggg   60

gcgcctttc cttgtattgg ataaaaaaat atggggcggg tttgagtaaa aaaatgacga   120

taacgcataa taaagattcg catcagattt tgcctctacc caaagtgtgg aatgttcgtc   180

gtctcaccag catacaatca atatatgaaa aaataggctt tatcttggag ttgaagaaac   240

tgatgcgtac gtggatattg cccactcgct ctttgtcatc ttctttatgc ataatggtgg   300

gccttaatag cccagaaatc aaaagcagac tccatgtaaa aaattaagac ctattatcaa   360

ggaacctaac atttgctaaa tgaaagcttg gaactataca aaggtctaaa acacgttaat   420

ttcatgacct tn   432

12668

```
<210>      30367
<211>      478
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30367

cacacccacc gcaaaacgaa aacaaaccac ttaacagaac taacnnannn nacagggaag     60

ccatatcctc ancctgcaca acaaaaaccn gaggacgaaa aagcgngctc agagcgcagc    120

angcncttat actattgagc aaatcaagca catgcagcga gacagaagaa atgaactgac    180

aacacacccc aataatcttt ccacggagca aagaacacat atacgcagct gcaataacac    240

cattagaaga cccaagcacg ccttaaaata aattcaagac tgaacaatgg gaaaaacaaa    300

accacccgct gcaaaggaga aaagagaggg ccaaaagacc aaagggccat accataacac    360

aaggaaaaag cacaccactg agcaaaataa agctacaata gcaagagctc tcctacacaa    420

aacgaaccaa aaattcagga ccaccaaaaa aagacaacca gagccaaaaa agaacaac      478


<210>      30368
<211>      485
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30368

agagaatggg tgaacctatt gttataccca cngncgaatt cgagcatcgg accgccggga     60

ttcctctaga gccgacccgg agggcaggcg cagcctgttg tactatgcag cgtctctcga    120

ngaaacacgg cggngagctt gtgcatagta ggttaacaaa aaatgcattt ggtacaaact    180

tactagaagt tcttgcacgc attctcgcgg agactactct atattaagct tatgctcaac    240

taagataaac aatggtttca tagcgctctt tcattntagg gtccctacag gtcttccaaa    300

actttgaagc tgctcttcca tttctactcc aacctatagc aaacgtaatt acgtccaatc    360

aactaacaat attcttgccg gaaccaaagg cacgcttgga aaggataatt ggaggatcac    420

catagtaaaa ataatatata ttcactcaat gggattatta agaacatatc ggcccttatg    480

aaggg                                                                485


<210>      30369
```

<211>   483
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30369

ccgactttga tcttgatgac tgcgcgctca tagnaacccc ccgangaata ngagtggngc   60

cagagtatca ngacattaat ttgttttcta caagcncaan agcccagagc gcttttgatc   120

acaaagacga tgatcttcac aatcaaagaa tgggttcaag atggaatcga taactcttca   180

ggttcaaaag aactttggtc tccggacccc tagactccaa cttcatgatc caagttccga   240

gattcaagat ctagaatcca gactgcagat ccacgattca tgagcatact ccttcaagat   300

cagtttcaaa tggttttgtt aaaaactcga gagcacatga tttttcctca cacctttacc   360

caaaaagtgt tactcctctg ttatcaatac tacactattg taatcaattc ccagtggaac   420

aatggttgtc aacagctttc acctgaattt acaaccgttc cacttgttat caaagagtgt   480

acg
                                                                    483

<210>   30370
<211>   447
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30370

aggagatttt gctcgtatat ctanggcgat tncnagctcg gaccccgggg atcctctaaa   60

gtggacttga ggcaggcaac cnggtgtnga acctccaang gaggcgggac ctgggagctt   120

catgggggtc cttcatggga ttttcacatg gaaatgcacg gaagactaaa gaatataggt   180

gagagaagcg ccattcatta aagaataagc catggaagaa tgagcttcac ccaccaagat   240

gatgccttgg attaagaagc ttggaaaaga tgcttcaatg gaggaaaaga aagagggaga   300

gaaagaaaga gggggagca cgatattgaa ggaataaaag atgtatataa gtggaacttt   360

gaagtatgtc tcacaagact ctcattcatc aaaggtacaa caaagtgtta cacattgctt   420

ctatctatag actaaggtgc ttgcttn
                                                                    447

<210>   30371
<211>   541
<212>   DNA

12670

<213>	Glycine max

<223>	unsure at all n locations
<400>	30371

ggggtcggaa gaaatcgang nnactttgnn ananntctnc nnnnnntnta ngnanaagng	60

cccagcnnan canntccgcg naccaggagg ggcgagacac ggaactanat tanttctttta	120

ctcttagaag gaaatctacc tgtgcgggcc gttggtggtn gatagtaagc aaaccaagag	180

gatgcctgcg acgcgaattg gtttgcccat ttgaatntga atgttaacct taacacacaa	240

taagcatacc aagcccagta ttgggtatgg ctcctctgaa gccttaaacg gacgaaagtg	300

cataaactcc tatttgttgg tatgatgatg gagaagcggt acttttggga cctgaaatgc	360

tacaacagat taacgaacaa gtgaagttga ttcgagagaa gatataagca tctcaggata	420

ggcagaagag ctatatgata gaaggggaaa ccattaattt tctggaagag acatgggttt	480

tgaaggttct ccaaaaccgg agtcagaaga gcctcaatgc tagaagttac acccaagatc	540

g	541

<210>	30372
<211>	173
<212>	DNA
<213>	Glycine max

<400>	30372

caacgattgg tacctcaaaa cctttacact gggcaatgag gggcattgtg cattagcctt	60

aagtgaacat acgggcaaat caaaaattct cacctgtcga tgtttttaaa caacaaaaaa	120

aggagggaca aaccctatga tttaatggat tgatcaaaca ttaaaccact tca	173

<210>	30373
<211>	390
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	30373

gaggataaac ttgatatcca nanataaana anaaccncgg cccantnnna gaagagggga	60

gaaggaagat aatggtcacc ccctaggcac tccgggggggc aaatagcaaa aaaaacgccc	120

cctaaaaaaa tccaaccgag gcccaccgaa cgtaacgaac gaaacgcgat gaatcgagaa	180

```
gcaccgaacg tctcgacgac cacatcacac tcaccgtctc aacaccaacg gaagacccca    240

accaactcta aaacaccaag acccgcgggc ccattggcca tgacttgaaa ccgagtcata    300

acctaatccc ctgtgaggca aagccacaat aagctacccg ctaccaaaaa aaaaaaccca    360

ccacgcggaa gacaccgcac tccgaaagag                                     390


<210>      30374
<211>      239
<212>      DNA
<213>      Glycine max

<400>      30374

aaccccatgg atcaatgcat atactatacc acaaggtcca tgagtaaaaa atggtctctt     60

attttatatg tagatgatat tttacttgca gccagtgaat gggaaaggtg aaacaatttc    120

tctctaagaa ttttgacatg aatgatatgg gtcatcttat gtcattggca ttaagattca    180

tagagataaa cctcgagtta ttttatggtt atcacaggaa accctattta accaaattt     239


<210>      30375
<211>      432
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30375

ggactttttc tttttctatg aancncanna tngananatc cgncggaggg aagaggccgc     60

ggcanncttt ttcttattaa aanaacaccc agggaggggc gggagacaaa aaaacaaacn    120

cgggagaaaa aagccaagaa ccccccaacc gaaaagatag caaaacccaa acacgaggaa    180

cgggacggca gaaaaaaaaa aaancaacga cnaatagnac aaaacaccna aancgctaca    240

agggtaacga aaaaagcaca catgactacc tcaccgcaac gggagaggag cgacaagcga    300

acggccaagg aacaacgaca aaccgcaact ttctagttgt tgtatacgag tccaccacca    360

tatatagtgg acccgactcc gaatatagcc taaacaattt tatagatagt ctatcattaa    420

aactaatata cg                                                        432


<210>      30376
<211>      172
<212>      DNA
<213>      Glycine max
```

<400> 30376

```
aaaaaaaaaa aacaattgct cttgcacgta tactatgggg aaaataacta ttagccatat    60

cgatcccacg aattatatgg catctcaggt taattacatg tggacgacaa aattaaatat   120

atgaagctga caataaaatt ttctccattt atggctactg tatttattga at           172
```

<210>   30377
<211>   284
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30377

```
atctttagtg cctatcanac gttgacacgt ggcaatcaaa gctactgcct aacggtcaac    60

atccaattgt gacgtcgggg gaccaacatt gcaatttttt ataaaataaa ggacccaatt   120

cgtgaattaa attatcggng gactaaatgc caaattggac ctaaagtang ggaccaaaag   180

tgccaatttg cctttttattt atatacccccn acgaaatang tactactagt tggtgcatat   240

ttaatggtca aataatgcta agaagtttac tagcagctta tcat                    284
```

<210>   30378
<211>   195
<212>   DNA
<213>   Glycine max

<400>   30378

```
gcaagaattg caggttaaca tctaactgct ccaagtgaag attctctgca gctactatgc    60

tcaaaataat tctgatggta gtcatcttta caactggaga gaagatctct atgaaatcaa   120

ttccttgttt tctgtgaaac cctttcacca caagtctcgc cttgtatctt ctttttaccgt   180

cagattcttt cttta                                                    195
```

<210>   30379
<211>   231
<212>   DNA
<213>   Glycine max

<400>   30379

```
cgcaactcag cgcgccaaaa cacgcaaaca cacaaaagga ctttctatag caaacgaccg    60
```

gacaaacagc ggcgcgacga ccagagagca ccaaagggaa ggacacgcag agcccccaag   120

aagaacacag caggctcaaa aaacaaacca aacaccccaa accaaacaga ggacaagaaa   180

agggcagaaa aaagctaagt acccgaaacc agagaaccgg caccaacaaa a   231


```
<210>      30380
<211>      266
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30380
```

ncaagctttc tcatagagat ctaggaagga taaagcgggt gaatgaacca attccgctcc   60

cgaatatgac agcctccatt ntaggagcgc tgagcaccag cagcgcttcg aggccatcaa   120

gggatggtca tttctccggg agcgacgcgt ccagctcang gacgacgagt atacccactt   180

tcaggaggag atagttcgcc ggcgttgggc atcactggtt acccccatgg ccaaattcga   240

cccacacata atcctcgaat ttatgc   266


```
<210>      30381
<211>      283
<212>      DNA
<213>      Glycine max

<400>      30381
```

aagaattcgc caaggactaa ccgtctgaat tcttcttgtg tctctcttct ccctttttcca   60

aaagaacaaa ggactaacac gctgaattat tttgtgtctc ccttctccct tgacaaagaa   120

ttcaaaatga cacagtctga gaattctttt gattcttccc tttccgtaat acaaaagtgt   180

tcaaaggact aaccgcctga gaattctttt gtatccccat tcacaaagta tcacaagctt   240

aacagcctga gatctttgtc taacacatta gagggtacat tct   283


```
<210>      30382
<211>      310
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30382
```

agctnattat atcgagacga tcaaaattga acaacggaag ctctcgtgaa attaaaatgg   60

tcataagttt taactcggat gtccgattca ngagcttcac atatcgagat gcacganatt   120

gaacaatgga agctctagag aaattctaat ggtcataaat tttcacaccg aggtcctatt   180

cangcgctta atatatccag acgctcgaaa ttgaacaatg gaagctctcg agatattcaa   240

atggtcatta cttttcactc ggatgtccga ttcaagcgta tcacatatcc acacgcttgg   300

aattgattaa   310

<210>   30383
<211>   348
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30383

ggattntcta ngctcgagaa gtgaaattta gaatgaggta catntgaagc aaactctcac   60

ctcacacaag tacataacat caatctaaac ttgctcanac tggatttaca cctaaaatta   120

caccgaatnc aaaattgact cctcaacacc caattttgcc ctagaaatgg ctcttggttc   180

actttggtca tttgtttttc tctctagcat agcctaacct ttctcataag tcctaaatgg   240

catttcaagc taggattaac tcattttaac ctccatttac tacagaatcc agatatagcc   300

tgtcaactct cagagcctga ctctttttcc actcataaca ccacattc   348

<210>   30384
<211>   309
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30384

agctttcatt gttcaattnc gagcgncncg angtggtatg cgcctgaatc tgacctccgt   60

gtgaaaagtt atgaccattt gaatttctcg agagcttccg ttgttcaatt ttgagtgtct   120

cgatatatta tacgcctgaa tcggacctcc gagtgaaaca ttatgaccat ttgaaatgct   180

caagagcttc cattgttcaa tatcgagcga ctcgatttat tatgcgccag aatcggacct   240

tttagtgaaa agttatgacc atttgaattt ctcgagagct ctcggtgttc aattttgagc   300

ggcttgata   309

<210>   30385

<211>   495
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30385

gggcagtcta gtttcttatg ntntcannnc nnnnananta annnaccgnc cgngcannnn   60

agaggggcag aagaggagca cccggttgat tgatattcgc gcacaanana ncgagacgcg   120

cgaaagagaa caanggaaac ccncgagcaa nncaaangaa canaacnnnn gcacaaggan   180

cgccgagaca ggcaccaaag acaccgagac gcgcgaccaa gaaccacggc agcgcncgag   240

aaaaaccaag ggacccaaca gcgaacgcgg aggcgcgacg cacgcgcaaa agaaancgag   300

acgcccgaan acgaacaacg gaagcccgcg agacaaacaa ggggcagaa ccgaccccac   360

agacgggcga gacaagcgca cagaagagca agaacggccg aaaacgaaca acggaagcac   420

gcgggaaagg caaaggacca gacccccaac cagggagccc aaccaaccng caaaacancg   480

aacccgggaa agaag   495

<210>   30386
<211>   173
<212>   DNA
<213>   Glycine max

<400>   30386

agctttgtat gaggctgaag aagctgttgc tcgtgttcaa caagatccgg tggagattaa   60

tttatctcag cctaatttgt cacaagatag tgacatagag ttgatggtaa atatttgtca   120

caagtatagc aatataggag atagttttga tatattacaa gttttattca tgt   173

<210>   30387
<211>   370
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30387

ctcacgctta tacctctcca tgtatcgaat agagactctg attccatang tnggaagcta   60

gnnatcctgt ccttgatagc ttcgatattc ttatttcgaa cacaattgtt tgaagaagtc   120

gtctttgatt ctctcccatg aggttagact atggtgtggt tgagaattga gtcattcacg   180

12676

tgcacttccc cttaatgaan acggaagaaa gtgcatctta atgtggctat ctttgattat 240

gagtattctt actaatgtgc atatttgttg gaatcgtgtn aggtgggtat tcagttcttc 300

actgctggat cccataaatt gagtgttatg gagagtatta atggtcccgc tangaagaat 360

tacttgatgt 370


```
<210>      30388
<211>      82
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30388
```

agcttttatc caaaatcctg actcaccata naccttgacc cagagtgaga atgtcaatcc 60

ttaccctcgg aagcaaaaaa aa 82


```
<210>      30389
<211>      341
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30389
```

tgccacccag ctcgcccaag cgagctaggt tgcttcttcc ataangcacc gccttctgga 60

gaacttccta gaaggcccaa gtgggcctgg gttgctattg caccccatgt ntactgaata 120

cacccctttg cctttttttgt tgattctttt tccgtaacgt taaagaatct tacgaattac 180

gtaacgatac ttgtttctt ttcgtattgt tatgaaacct tatggatcac gtaatcatcc 240

ctttttggc ttccgggatg ttacggaact ttacggattg cgcactaaca cttcctttg 300

actttcggca tgtctcggaa cttcacgaaa tgcctaacaa t 341


```
<210>      30390
<211>      439
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30390
```

ggagtagacc atgtatatca ggnaatcact cgtcccggga tccctagagt caacctgcag 60

gcttgcaacc tggcttggtt tggagcttct attggaggct gggatctgtt gagccttcaa 120

12677

```
tgaggtccct ctaatggtga ttttccacca tggagatgca gcggaagaca naggaaaaga   180

agtgagatga ngcgccatcc actanggaat aagccatgga agaaggagct tcaccaccaa   240

gatgagcctt ggataagaag cttggagaga atgcttcaat ggaggaaaag aaagagggag   300

agaaagagag agggggggagc acgaaattga agggataaaa gaggagagaa gtggactttg   360

aatatgttca caagatctaa ttctcaaagt acataaatgt acacatgctc ttttatagac   420

ttggacttct ttaaaactn                                                 439
```

<210>   30391
<211>   394
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30391

```
aatgacgagt atgtgtaatt gtaataagct ccttagttga tattctagtc ataatnagga    60

tgcgtgctnt aaagttttac aatgcttgaa tntgtgtgat aatcttgaat atgcatttca   120

acttactcat ttaacttta taatattgat ccatggttaa ggattgaaat ctttcgaaac   180

atgttttgga aaatacttaa gtttttatcc cgcatcanat aattgattat atgatgatat   240

aattgattat cttgatgatg atgcctttgt ttttcataat tgagaaagac tcanaattag   300

tctattatct tgagtgaata attaattata tggaattgaa acaaatttta ctatcacaga   360

taattaatta tatgatgata taattgatta tatg                               394
```

<210>   30392
<211>   451
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30392

```
agggagagtg anncttcgtt actactccgc gatttcgagc tcggcccccg ggttccttat    60

aaggcgacct tgaggcttcc aacnntttaa atctttcctc ctgactactg gctctggctt   120

tttctcctat caaatcatac gcactgtgag ttgaatattt gccctctgga tctgtaagac   180

cactcccaag tatctgaacc cttgttgtgg attttatttt ctgcaatatc tttgagaaag   240

ttagccgcta aggtgatctt attgtcaaac aaggctcttc ttcaagcaaa gttccattcc   300
```
```
                              12678
```

```
caccccatgc cttgataccc ttccatggat cttatgaatt gatgcttgtt caatgagaac   360

tgataaagtc taggttcttc tttggcattg acccaaaatg aaatgatgcc gaattgaggc   420

accctcattc ctttgataca ttagatttaa n                                 451
```

<210>   30393
<211>   339
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30393

```
atatatatta gaggatttgt atataaatat gtaaaaatat ataaaaatca ttatccaaat    60

taatatatat tcaaatgatt ntatattcac acatgtcttg cattatgtta atttatgcaa   120

acatantttg aaaattatta tctttataag catattcgca tttgcatatg acttttatat   180

atatatatat ataattttaa taagaaaatt agtaataaaa aatatattac attntgtaat   240

tattagttnt atactcctat catcataagg gggaaaagta tactactaaa ataaaacttt   300

aaatttattg ggtttatact catatcatca agtgtacta                          339
```

<210>   30394
<211>   359
<212>   DNA
<213>   Glycine max

<400>   30394

```
acctttttaa ttgcggctct ggaaaacaaa ggtcaggggt ccgcaatatg tgaaaatgag    60

gttccaagta cttcggattt ggtccgacca tgcccctctg atttccagct gggaaattgg   120

cgagtggagg aacgccccgg cgtttacgca acaagcataa tggtaacctt tacgggttta   180

aaagctctat agttgggcct aggctttaga gttttctttt tgttaaagct ttgtgtcttt   240

tggttttgaa tttataatac aaggatcttt cttcatctgt tcctggtctc tacccattct   300

cattcatttg catggttact tctttttctg aaaccgcaga ttcgatgacg agtcccccg    359
```

<210>   30395
<211>   257
<212>   DNA
<213>   Glycine max

12679
```

<400> 30395

gacatcaacc ggtccataga gtgtaaggag tatccacaag gcgcttctgg caacgacaag   60

aggatgttgc agaggttgga aactagtttc tttctaagtg ggggtatcat gatggacctc   120

attggaacct tgtggccttg gatcttcttc atcaatggaa gtccttgctt cttgaattta   180

atggcagcaa aatggaaaag aagaagagtt gagaggagac accacttcaa ggagaagatg   240

agtctagaag aagctca   257

<210>   30396
<211>   332
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30396

agctaatacc agtatccaga ttaagtggaa aacacgttcc aaaggtggag aatggaaatg   60

gccttcctca aaaaacctaa tttcaaccaa atatgagttt aatttttcga caatatgctt   120

attaaatcat ttaagaaagc tngaactagc tatgcttcaa atggaatcta aacacaagtt   180

cttcaaaaca aatctaaaac atgataatag aaatcaatga agtcacaagt gaaattaaaa   240

agctaacaat agaaaaaata tattgaatca caaattctta tatagttata caaatcaaag   300

ctcattggaa aagaagaaag aaagaagaga aa   332

<210>   30397
<211>   476
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30397

nnaaacggaa cttttagttt ctacncatta aacacaagcc gaaagactan ctgctccatt   60

tacataaaca accaaaccac ttggttatat ttccgcatca tatggataga cctggacagt   120

gtatcatcag cagtaaaatc ccagcaaata atatattcaa tcctaatatt aaccggatta   180

ctgcactact tttctttcac aaaaatggaa aaattaccct ctcccatggt aaagttcgaa   240

atgagtntac attagggcaa gtgttgccag actacttatg tatcgaggca agcaccttcc   300

caatggtgca gtgttgctta aggcaagcat atttgtcacc taatctacan ggcaacacng   360

aagatgtaaa ggcatatctg cttctataaa ccatagtagg tccttgtgaa tgccctcaca 420

gacctgagat agttacacct tacggcataa caaggctatc aatctttaca gacctn 476

<210>   30398
<211>   439
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30398

aaaaacacgg ggcgttgtaa tnctacgnaa tananaaagg ccncggggag acccaaaggc   60

gaccagcagg aagcgcaaca nttttttta ccaaaggncc aaaaccacag gggcggggg   120

agangcangc cacccaacgg aagacacaca cgaagaacaa gggccatgaa caccgggaag 180

aacatccagt gcatcaagat ggccaacgtg acgaaacaaa gacgcaagga aagcccccgg 240

ggaacaagcc aaggaacaag ccggaacgcc ggaactgcat gaccaggata tagacggaca 300

aaggaacata cctaggagaa aagagaccca ccacgcaagt cgcaccattg gaaagaagtc 360

caaacaaggc ggcgaaaatg gaccaacaaa caggaaacca actgggcccg ggaaggggag 420

caagaaaaca catccaagg   439

<210>   30399
<211>   405
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30399

aataggtttt agtttctanc tnataananc ngccacgcga cgggagaaaa cccccaccct   60

tgtctttacc acacnaacag ggggggtgc acggccaccc agaggggaaa cccccacgag 120

caggggnaca ccacacaaag caacgctcaa ccttaaggaa gactgctaca aacgtcgttc 180

actcacttct ccaccaggct tcctatggct ccttcaatgt agtccaccac atccatcctc 240

cataacaaaa gaggcagctc tcttgccaaa acatgcgaaa ccgagggaaa cacagcctca 300

tcttttatac ccgtcaatgc gacaatgctt cccattccat cacgatccag tattctacta 360

actgcttacg gaacttgcca aaacaccgca tatgcaatag ccttn   405

<210>   30400

<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30400

ccccggggta ccttagagac cccaggcagg agccacgttg gtgancatcc tagacgcaga   60

tcgggagcta tgcaatgaca ctcaggtgtc tcgctaacgc caataccttc tgatagaaaa   120

gtatgaatag cttagcacc ttgctcgcaa acctattctg agaaaaaaat ttttcggtct   180

cgactctcgc gggatatcgc actgacccat gactacagat tataagccgc tcatgccttg   240

tcgcgctcac gccagtctat tctagtggat actgctttct tttgataatc tgaaatctgt   300

ctagctcaat ggatacaatg gtcctgaaga ggagggcact tcctaccccg   350

<210> 30401
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30401

ggcatccttt taccttcnga ccgtgaacct agannacnaa ccccacgttg aatgactggg   60

atgtctgagt atggccagcg actttcattc atctcttgcg gcagcnggaa cagggcgggt   120

cttagtaata atatgctctc actacagacc acactgtgaa cgggcactnc tattactcat   180

gatcatgcat ccgagatgag ctcaaggtgg tgaatccgca cacagcttgc tcattgtaaa   240

tgtgtgcaag aatatcttga tccttataaa cgaaacgagc atnattctat aaaagtagag   300

aatgtatgta gaagtgcctc tgtttataaa tcaccgcatt gaataacaat gaatattcac   360

ttgttgtgca taatttaaat gacacacaat atctaaatgt gatgcagtac tcacacgcta   420

taacataata gntttgtgac cctcccccag cgacaatgtt cccgcgacct gacaggatgt   480

gccct   485

<210> 30402
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30402

ncccctttga tgcttgatac cacggcgatt tcagctcgca cccgggatcc tcagagtcga   60

cctgcggcat gcaagcnttt tatccaaagc tcatcttggg ggngaagctc ctttttttcat   120

ggcttattcc ttatggnatg gcgccctcct ctcacctttta tcctttgtct tcccctgcat   180

ctncatggtg gaaaatcacc attaaaggac cccatttgaa gctcaaagat ccagcctnca   240

tagaagcccc acaagcaagc ttccatcagt aattntccca gagtgtacag gatagcacct   300

gtccactatc agaaggaaac aacaattaat gtatcaatat atcagcaact aatcatcatc   360

agatacaaac aacaatcaca cccccctcaat taattgtaaa gaatacctca aatccttaaa   420

tcaaacaccc tcgatttttg   440

<210>   30403
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30403

tatgtataat ttttgaaggt acagatgtag aacgtttaat tagtttantt aacaaaaagn   60

aaacaacatt tctagcattt gatgagaatg aaatgggata tactacaact tgcacatgtg   120

taaatttatt cataatagta tattggaaaa tcatgagttg cttgtagcat tcaaagaagg   180

agatcaaagc aatatttttgc gattatgaaa gccccaaaag tttggggctt agaaatatgt   240

agtgcgatat tgtgattttg tntgagatta gtggaggcta gtgatattga aggttgggca   300

acatatgtgt tacacgagaa attgaaattt aaatataaaa aatagtcgaa aatatganat   360

aaagaacaac tttggaatgt angaaaggc tgcataaatt gaaagaacaa attatataat   420

ggtattgtag tg   432

<210>   30404
<211>   322
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30404

agctttcntt caacgaagag aagagaaaga cgggagattg cggaaataca agnagaaggg   60

atgtctcctc cacctctagg acctcacaat cactcacaaa ctcatctcaa gctctcaaga   120

12683

cggcttcctc ttcaagctct ggtctctgct aatcttcaca caacaaaatc tctcaaactc 180

tttggaactt ggacctttct ctctctataa ctaaagacat gccagagctc ctcaagaaaa 240

atggccaaac tccatctcta aatctgattt tatgcttaaa taggtggctt tgattgtgct 300

catgcgctta atgcaactct ga 322

<210>   30405
<211>   319
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30405

tttgtgctag tgtgcttagc gtgactatgg accgctcagc tcacattagt ggattttggc 60

ttagtgcgcg ctattctcgc tcactggatg gactgaagcg gngcgcttag cgggatgacc 120

cttcgctcaa tgcaaatgca caactcattc ttgctctaga ttcttcctcg cactcagctg 180

aggagtgatg cgctcatcgg atggctcgct aagccagaag attggcttat cgagcggatg 240

aaaatcaaca cttcacgaac ttgcctagat aactttgaaa tgagaggaaa tggttattaa 300

acacacaaga tgggagttc 319

<210>   30406
<211>   103
<212>   DNA
<213>   Glycine max

<400>   30406

tcgcgaccaa tttcttgttt gacatcttaa tcttgaattc tggcattcat ccactaatat 60

cacatatact cgcgcaccac catgcgtgag aggctctatc ccg 103

<210>   30407
<211>   353
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30407

atggtttctt ctaccctact cctatcgact agtggagcca gtccaagtga tagaggtgtc 60

atcctctgaa gaggatcctg aggaggacct anaggagtta cctcctgagc ctgctgtgga 120

tgctcttgac cttccagagg atgatgagga cccacttcct gatgtggatt ctccagagga 180

tatcttgtca gcatttgaga cagactctac agaggagagc ggccctggag ggatagcgaa 240

cagtgaagac ttttcatcat agcagacgac tccttagact aggcttacat acttttgtg 300

cgtgggtgta tctaagtcag actgctangg ttactctttt gattttgggg tgg 353

<210>   30408
<211>   372
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30408

ccacagcaga acaattatga cctttccagc aacagataca accctggatg gaggaatcac 60

cctaacctca gatggtctag ctctcagcaa caacagcaac ctgctccttc cttccaaaat 120

gctgctggcc caagcagacc atacattcct ccaccaatcc aacaacagca acaaccccag 180

aaacagccaa cagttgaggc ccctccacaa ccttccctcg aagaacttgt gaggcaaatg 240

actatgcaga acatgcagtt tcagcaagag accagagcct ncattcagag cttaaccaat 300

cagatgggac aattggctac ccaattgaat caacaacagt cccagaattc tgacaagctg 360

ccttctcaag ct 372

<210>   30409
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30409

cgccccgtgg gcttgacnta cagcgaatna ggaacccccg cgggatccaa ggagcgacca 60

gacggaggca ttttttttaag cgcggacccc ggcgcaacgc ggggtgcatc ccggcatgat 120

gctcactccc ttgggcgcgc cagtatgaaa tacaagcgac caatgctagg ccggacaccg 180

ggaatatccg gacataagac atgcaccgtg cctaaggaaa tggcttccca aaagcccaca 240

agctgagccc aaaaaggacg cccagaaaca agagacccaa cgcaacctgc agcagagaac 300

aaaaagaaac gtacatgact ctccaaatgc caatcagaac agaaagacgg ccaacgattg 360

ccaaaccgtc caaatagcgc gtgctatgaa acaaaaaacg ctggataaaa aaacaccccc 420

12685

agcgaatgg

429

<210>   30410
<211>   511
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30410

nnttatttgg ggaaattccc cnanngntnn nntntnnnnn ntnngcnaan cngnccnnag   60

aggantgaag gacgaggaga ggagacgagc gtttacttag ngttcgacgc cnacnagncn   120

ccaacacagg catggcggct angagcaccc naaacacngc aacatccacg ggccacagaa   180

gggacaccgc cgcgagctcc accgccacat tttgacgaca tcgtctttgg agactggaga   240

tacgcaggac aaacacggta tttgaagggc ccatgggtta cagttgccct ctgagaagga   300

gacatgatcc acacgtcagt cttatgggac gacgcccctt attctgacgg tcagacatga   360

acctggatat ctcgatcact caactgactg atgcacataa ataccgtaat aaaattcctt   420

caacagcacg tgggacggaa aaagtataga ccgttagcat cgacaatgtc ctcacattgc   480

ggtgatggag ccagaccacc atcgcgtctt g   511

<210>   30411
<211>   308
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30411

agctttttga ccatgcaaac actaaggctt agggttcgtt tcccccttttc aatcaaccca   60

atgtttccaa aaaatgctcc tttaccaagt catgcataca tccaagtnca tttangcatt   120

tcgggaaaac ctttcattgc gttcacccctt taagcgcaca ttctttttttc ttcaaaaacc   180

tttttgtgtt atgatccggg aatttttccaa agaaaactgg cggtcattct tttttaaaaac   240

atgttggcct ttttagtttt ctttcccttta gcttttttttc ttttcaataa tttctttcaa   300

gcaaaaac   308

<210>   30412
<211>   495

<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	30412

nnnaaatcga gatcgacngc cttagtacnn nctgnganaa tttagannac tcaccctngt   60

ccacaaanaa tcactaaaaa tggnnnattg tctaacttct taaacggncc tcttttgctt   120

tatgcggtta acatggaccg ttcaaaagca taaaatcaac acatcacttt actacctttc   180

gcgagaacta cgtangtctg atttcctctt cgatggagga tacataagag caaaaagtcc   240

cctttttgtcg accttgtgag atggttagag gtccaatgcc ttaaatttt tcaccaagta   300

aaatggatca ttttaaggtc caatgcctta aatgaccacc ttccaagtaa aaagaatcac   360

ttgattcgcc ccttttgcaa gaactacgta ngtctgattt cctcatcgca attgaggata   420

cccngagcaa aaacccccgct tttgtcacca ccccaagaga actgtatggt ccaacccctta 480

tcgttctctc ttttn   495

<210>	30413
<211>	344
<212>	DNA
<213>	Glycine max

<400>	30413

atatattacc caatttaatc ggacatccga gtaaaaagtt attgtcgttt gaatttccta   60

cgagcttccg tgttcaattt caacgcctcg atatattaca agactcaacc ggaaattcgc   120

gtgttaaggt attggcaatt caattttctc agaactttgg atctaaattt tgagcgtctc   180

gatatattac cggactcaac cagacatctg tgtataaaag tattggcatt tcaatttgct   240

cacagcttct aatctcacat ttggagcctt ctcatatatt aacccgatcc atcgaccatc   300

cgagaaaaag aattgtcgtt gaaaattcta caaccttccg ttcg   344

<210>	30414
<211>	433
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	30414

tctggtggga catcttgact tgctttccaa tcngacattc tctacagatt ctgccttcnn   60

```
ctatnntcag aggggggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc   120

ttaagtgcag atgtccaaat atttgatgcc atattttgac ttcatcttct ttggagaata   180

gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc   240

tgctgccctt cattaggact tcactcttct catttgtcac caagcattct gactntgtga   300

agtttacatt·gaatccttca tcacacaact gactgatgct gatcaagttc gcagtcagtc   360

ccttcaccag cagtactttg ttcagactan gaagtccatc atggactagc tttcccattc   420

cagtgatctt tca                                                      433


<210>      30415
<211>      151
<212>      DNA
<213>      Glycine max

<400>      30415

actccatttt tatatattac aattattcat gtctgacatt tgcatgtagg gccctgcaac    60

tattgttcca ccaatagcta ggaataagct aaccataaca agagccatac caaggaaggt   120

tgttgattaa gatgatgccg tataaagaaa a                                  151


<210>      30416
<211>      425
<212>      DNA
<213>      Glycine max

<400>      30416

ttgcgactag aatcaccaat agaaccccag cgcaagcgga aagcagaaat tgtacgtgaa    60

aaacccaccg agcgcggcga gacgaacacg aacccacccc gagaagaatc ggccaaagga   120

aaaccggtca tccacagact ggatacctgc gtcatcggaa acagaccttc aacggggaag   180

aacctcgaac caagcaattc gacacattcc aggcgcccgc agaggcccac aaagaggtac   240

gtgcattgcg agacacagcg ggtagaaccg aaagaccccc cagatgacga gaccaaacca   300

ggccactaag gcacccttgg caacataaga aaaaaaaatt acaccgaacg gtgaacgacc   360

aacataacac ggaaaaaaaa atccgacggc ggcggccgaa acgctcggaa aaaaagacga   420

aaaac                                                              425
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<210>   30417
<211>   286
<212>   DNA
<213>   Glycine max

<400>   30417

agcttattgt attaagtgaa atagaggatg ataacggtgt gataatccca aggaagtgaa   60

aagcgaaaca agaagaacca aagaggtaga ggcctgatca accaattatc acatcctctt   120

ttccaaagaa gagaaagata agacctagat gcaagttctt aaccctaaag gaacccatta   180

agatcccatc cttcattgtc tcttgttcgt ctgatagtga ggcaactcca actcccaata   240

cacatccatt cagtccacca ccagtgtaga ccaagaagcc tacata   286

<210>   30418
<211>   479
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30418

nggcagactt cttcatgcag tatcngacct catnaatact aagcttacct tttaaggcca   60

aaccattcac cttggggtgg caccatgtta tttggttttg caccaanagg tgggaaagga   120

tggtccatca tgtgcttgta ggtgtacgat aggtaactca ataaccttta ggtaaaaaaa   180

tgcccttggt tatttggggg tagcaaaaat actttcttgg aaaataatng aatggatgta   240

tatattgcgt gtagggtacc aaaaatgctc ataaatgtat atattgcatg ataggtagcc   300

aaaaaccttg tggattaatt aactacgtag cacagtaccc tattatttaa gtaattaaat   360

actttgtggg tttagttaag ataggaacaa aatgcctcta caatgtatta tattttgcan   420

agaaatgcct cacaaactta tatgtattga tgtaggtagc aaaaccttgc aattaattt   479

<210>   30419
<211>   344
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30419

ttccaacctt ttttgtgaat tgaggatgga cccctaatct ggggtttgaa taaaaaattt   60

taaaatttaa ggaaattaaa aatgcctaga attaaatttg tttgatttta atttctttca   120

```
tttttcaaat gcttttgttg gataaatcaa ttcaaatttc atcaattnta aattctttgt   180

ttggataagg caattcaatt ttctccatat gcaaattntc aattttatat tntanataga   240

tgaaatttta atattaaact ttatagaaaa caaacacatc tattttgaaa tattaattaa   300

aaatattttc atttttaata tttaaaatac taatattgat attt                    344
```

<210>   30420
<211>   395
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30420

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actaagctgc tgagtgaagc cccagccttg cctggaaccc ttttgctacc tccttccttn    60

ncccatnccc ctgttagaat tggcattttt aatagtggtt taatgtaagt atgcatgtat   120

tcattgaact tggagaanaa tagggtaatt aagccgttgc taccatatgg ctttgaaagt   180

tgaacttaat atgcgtgtgc ttggatatat gttgtttggg tgttgcatgt cttcgttaat   240

tgaccaaatg ttgtggttgt gtgctgtctt cttatatatg attcttgagg gatatgagan   300

aaaagatgga aatttcaatt tcaattacta gtgtcttaga ctctatcatt gagtctatac   360

tgagagatga cttagtgtat ttatattaat cccat                              395
```

<210>   30421
<211>   472
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30421

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aggggagctg taaccttttg taaaacaang ncgattncga gcncgncccc cgnggannec    60

ctaaagngga cctgcaggca ggcaaccctt ttttttacac tncaaccang ccnnngcgcg   120

cgacgagtgc tacagncttc attccttcct tcactttggt tccttccttc ttcttacaca   180

aattttgttg gtcttccact gatgatgatc atggaaggct aaacactcaa tcaatccaag   240

gatccactcc aagaaaggtt gaatntgagc tctggtttag tatttcaatt acgtgtgaat   300

gtacatcttt ttcttcaatc atattttta ttttcatgat tatgaatatg cttaggattg   360

aaaacaaaat taagctatgg aatcattgtg taatctgaaa tctaatcaca gaatgtttgg   420
```

```
acgatattcc aacctaattt gcgacctcaa tgaattaagg attaattcaa cg          472


<210>      30422
<211>      397
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30422

gccgtatann gttttngacn tcnnnnntag nnacnnccaa gnnnnntttt gaagaccccn    60

tttttttgtta aaccccacca ctttccgggg atactcacaa atctcccctt gaattgataa   120

agctttctaa agaaattgat actctgtagt cctgaattat cctattcctt cccccttggga   180

taacaaaagc caaggcgtat agatttgagg atcataataa ctaacgtcat acacattgtg    240

gagaactata accaatcatg aaccggaccg tgagccacat cataatagat atctctatat    300

accataggcg aaacatatta attttgtcca catccatgca atatggaaat taaatgaaaa    360

tccatatatt agccaataca tgctaaatca tgtctag                           397


<210>      30423
<211>      465
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30423

aaattatttt gcttgatctt aaagcaattc agcccggacc cgcgagatcc tatagaggac    60

gacctgcgcg cgcgcacacn nttttttcca nagcaccctc tcgagaggag aagccaactt   120

cttatcatag ctccatactc taaatagatg ggtgcctccg tctgatggca aacctactcc    180

catactcggc tattggatat aatgactccc aagtagagat gggacacagc tagaacgaga    240

atgccactaa ggttctcatg agcccttacg agagatttcg ggcccaaggg ctaagtatga    300

gcccacttat ctgtggccat acgagatcaa gggttaaata tatctgggcc tcggatttac    360

ggctacatta tgtacgcaag gtaccccttg aaagtaagaa acctcaacca cttgatatac    420

ggcccctaga acagaggtcc gatatgggta caacgaacaa tcccg                   465


<210>      30424
<211>      484
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<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30424

ggcgtttggc ttttngttct aanctngtta anaacnangc ggggacaaag gacagggccc   60

cgtcaacaca tttgcttgtt gtgcacncnc aannnccggg aggggacgcc gcgnacacac 120

ccncacacac caagnaccan cngcccgnna agggcgncag cccacaaatc cactgaaaca 180

aagactcgag cggccatctc anggatacca tgtgatatga gaaatgcctt tttcgtgggt 240

agtgttccta cgtaacagtt gaacctagtt ctgcagccct ccatatttaa cacacttatt 300

gagaagatct accgtctgct catcgttggg aaaggatgat aggagaagtc atcaattcac 360

atcctgtaat ctgatttgtt aataaaacta ataaattact atattctaac taatacaaca 420

atattattcg agattatcat gcttctctct tgcggttcaa tggcataaaa tccgcttgct 480

cccg 484

<210> 30425
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30425

agctttttat ctttcattgg tgtanttta tccgctttttg gtgctctaaa ttgtgggaat   60

gtgctcanat atgtggtgca attttggttt gttttcttgc ttgattgggt tgaattgngg 120

gtttgtatga gatggcccta tgcctataat gcattttgaa gcaatgggac atgccacatt 180

gtccccgttc tcttgctatt aatgcctaaa cgcgcgccca ccaagtgttc ggtgaaatgc 240

ctcaatggca ttaacgcgtg attttcctan ggaaacaacc catggggcat tttggtttcc 300

acatattttc tattttttgg gaca 324

<210> 30426
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30426

accccctgtg ccctccgttt gatttaagcc aagcccctac ttttgagggg caactcctac   60

cttatgaaga ctatcccggg caagacgatg gngaaggaga taccccatctt ggccccctgc 120

tccacctcan agatccatcc ccgcatgaac taccccagct gaacatagtc cgccatatcc 180

cggcctcatc cgcacccgta aaagaatcta ttccctttgc ggaagataag ggaaagattg 240

aagcgctcga agagaggtta agagcagtcg agggcctcgg taattaccca ttctcagatt 300

tggcagatnt atgtcttatg cccaacatcg tcatcccttc caaattcaaa gtactagact 360

nntgatagt   369

<210>   30427
<211>   297
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30427

agcttttaga ggatgcttta atgaaggana agaaagagag atagtgggag cacgaaatgg   60

aaggaatata agagggagag aagtggaact ttgaagtgtc tcataagact ttcattcatc 120

aaagttacaa caagtgttac acatgcttct atttatagac tangtagctt ccttgagaag 180

ctntcttgag aaaacttcct ttataagcta aagcttagct acacacacnc cctcttaaag 240

ctaagctcac cttcttgaga agcttncttg agaaactaga gcttagctac acacacc   297

<210>   30428
<211>   510
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30428

nnntttactt ttngcttgat antgcggcca ctctatagan taccctcgct nggtgaaatg   60

ccacattcat ggtcattgtc ggagnaaatg catganttat aaatcttggc catatgcnca 120

gacgcgtgtc tcgtagaagc atatccattg ggatataatg atgaaactat gtgcattntt 180

caggtagaga aagacggcta gagttttgaa ttgccacaaa gtagcaggtt ccggctaagc 240

gcatatacat cactatgcgc gagatcagtg cgctaagcgc aggatgtgcc ttcagccaat 300

gtaagctcga gactggcgct aagcccaatt tcacttactt gcgctgagcg ngagggtggc 360

12693

gcttagcgca gcgtcacgag ttcagagcct atntaaagcc tgtcttgtgc agaatagggt   420

acacaccttt tatgtcatct tctacacact tgtcacgacg accagggcac agaattcata   480

gcccgcatac ggctatttgg agaaaaagcg   510

<210>   30429
<211>   173
<212>   DNA
<213>   Glycine max

<400>   30429

agcttttgtt agatgcccca gctaccggaa aaagcggctt tgacgactcc aagagaggct   60

atagagacat tgaaaatccg acctctaatg ctgatgaatt tctaaatgat agaatcatgg   120

ctccgtcttg aagactattg acagtccata ctcaagatgg tctcttagcc caa   173

<210>   30430
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30430

nccttaccag ggttagnagc tgtgctgcgc ctctatagan taccctgcct gagactgggg   60

cgaaggccca ttgccgttac cncngcttat tcacttttcg gagaccaaaa ccctattgag   120

agtctatctt gtgcagaatt agggaaccac ctttaccact tttatgacaa cttctacaga   180

caaccagggc ccagaagttt gaaagcagcc accggcctat tgggggaaaa gagccctaga   240

agcagatata tgagcagctt gtgcattgaa gcctacgttt tgcattctga aaaaatattg   300

gtagagagga ctgtatatgc tgataaagga ggggaatccc cttcttggaa aggactatca   360

tctttgtttt atctattatt gtaaggtttt tgtatggtcg ctaacaccct atgacgattg   420

ctatgacact aatgaaacct atatctatga tgggtcatg   459

<210>   30431
<211>   361
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30431

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agctgtgtta ctcccagaag actgnaagng tgctactggt gcaatttgtt ttaactgtta     60

atcaatttgt gttttatgcg ttgataaata aatataaata atggataaca tttctcaatg    120

atcttgtagt gcccttgttt tgctgtgtag ctttattatc cactggctag tacaaaaaca    180

ccatcttgca tgcatgcttg gatgggcgct ggcaacatta attttataaa cctatttcta    240

gttaaaatta attctaaagt gatatgatgt atatttaaat atttttatta taaaactaag    300

aagctaagtg tataaaactc aattaattct ggacgtacac aatcaatttt aaactctttt    360

a                                                                     361
```

<210>   30432
<211>   228
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30432

```
tttttataaa aaaaaaccg gaaaaggaat tataaaaggg aaatgaaaga tataaattaa     60

tagagaaagt tggtggtttg ccattagaat taaaagggaa ttttggagat tntattttat    120

tttttggaat ttgaaaaaat taaaaaacat tgttaaaaaa aaaagttaac gaaatcaaat    180

gataatattt acggagaggc aatgcgattt tttgatatag ccttatct                 228
```

<210>   30433
<211>   403
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30433

```
agggagtacg atgtatctcc gnatttaaaa gncccgggac ttaagggacc tctggaggcc     60

cgtttgatcc anccgaaaaa acgggcgtgt atgagaaact cgacataccc acacggcaag    120

caaccatgaa tggcaacatg ggtcccagaa tatacttgaa agccggtgga tagagtccac    180

cgcacataca gcccagggaa gcttactaac aagccacgct atgacacgaa gcaatggtat    240

ttatgacaaa acaccctgcc tctactatgt tagcgaaatt cctgatgtcc ttatcgcaag    300

atgatccgta aggtacagcg caagagacat taggtttcct aatacacaat aagtgggagc    360

gccctcaatt cgtaagggag acagttggtg gcacattatt tcc                      403
```

<210>   30434
<211>   490
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30434

nttctttttnn ggatccccnn gntgcntcgn gtnanttana cnaccncact cttgcgagcg   60

agctgttgag acacacacaa ccggttagtc agtttttgac accccaggcg ccaggaggag   120

agcgcaacac caaaggagac aagacacacn caggcccgac gaaggggaag gagatagcgc   180

tcgcggcacc cgggtccacg agcacaaaga gcggccgggc gaggagcaca gaagaacaga   240

gccgcgccaa aactcgacgc tccgccccg aagaaaaatc catcgcggga gacacaccac   300

agggagggac tcacgcggat cgccagacga tagtaacaac tgtgacgatc gccctaacca   360

tgatgacaaa cgtccccccg agatcaagtc ccatcaccat cggaacgaca aggaatcagc   420

tgtgaacaac tggacctaca aatggccgac atgaaacata cagctctata cgatgagaga   480

cacatgcggg   490

<210>   30435
<211>   238
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30435

agcttttagc caaaatcctg actcaccata aaccttgacc cagggtgaga atgtcaatcc   60

ttaccctcgg aagcgaanag aatagaaggg aaatttccaa tcaaagaaaa ggaaagaagg   120

aagatttcca atcaaagaga aagccaaaaa agaaaagatt gaaaattccc aatcaaagag   180

tgggagaaag caaaaagata agaagaaaa ttcccaatca aagaatggga gaaagtaa   238

<210>   30436
<211>   220
<212>   DNA
<213>   Glycine max

<400>   30436

tgccaactca tatgagggat aaacacataa gatcagtcct gagaaaaaat gtatcattac   60

tgatacacac caatccatgt catgaaaaga aatgtatacg gatatactat caaatatgat   120

tgcatcccaa tttatacaaa tggttgtgtt tcttttgata tatgaaagaa actttgatca   180

cgctttctgg atctacaatc agatggacgg tataaactta   220

<210>   30437
<211>   316
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30437

agcttgttat tatccaaatt ctcagagata ttactcacca tgagaatgag atcactntta   60

ataacttcat cttggttaat ttcaccatca atttgtaata ttgatcccat aatatactta   120

aaaactggtg gtatgatatc cacccaacag tcacacaatg ttttttact agtaattctg   180

tcaatgatat gagcaattnt tcttattaga atagaccttg actctactat tatagcgaaa   240

tttctgtaat ttcttttcaa aatatgaacc taaattaaaa gagaaagaaa aaataaatat   300

atttattata caaaaa   316

<210>   30438
<211>   424
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30438

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ttcaatccta taacgcacgt ggcgacaaaa tgggcataac tgaatggcat tattgcaatg   120

cggaaggtat tctgcgcttc actatccatg ttcacacatt atngcagctt gtggttacgt   180

gagcatgaac tactaccaat atatagatgt tgtttacacg aatgagcaca tcttaaaagc   240

atactccgca cagtggtggc ctcttgggaa tgaagcggca attcctcctt ctgatgaggc   300

atggacatta atccctgacc caactacaat tcgtgcaaaa ggtcggccaa aatcaacaag   360

gataaggaat gagatggatt gngtcgaacc atctgaccac cgacanaaat gtagtagatg   420

tgga   424

<210>   30439

<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30439

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gcctgtcata ggtttttntt aaagctcggc tcggtttaca taaaagtctg gctttgccca   120

cgagcctatt taaaaacttg cttaaagacg tctttgatta attaattatt ttaaaatcta   180

gtgaaatact aacttaaaaa agaaacttat aaaatttcgt ataagcaatg tacaaattca   240

aaaataattg gataacaaaa tcatattgaa ttcaagtcgt taaagtacaa agtatatcaa   300

aagaaaataa aaagagcata atattaaaaa atgtatggat tagagatgat   350

<210> 30440
<211> 233
<212> DNA
<213> Glycine max

<400> 30440

gactgatcgt tgccctttct ctgcgctaaa caaacagaga acgtcgctgc aagacagccc   60

cgtatccttt gtattcgcag gtttctttta ctaatttgtt ggcttaaaaa gaaaattata   120

ataaataata agtcgacgcc taaattctaa cttaagtaag ttcaagttag gcaagacgct   180

aacccatgag aaaggagggg acatggttaa tgttcccctt cagaaaaaaa aat   233

<210> 30441
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30441

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ccaatctcac ctaatacata cttcaggcgg tagctgcgtt gggatggact gtgaatatat   120

agtccgtgcc tgcgtaaata agattgcccg tggccttcct ttagctacgg gcganacagt   180

tttatggtgt taacctttct attatcccat cccaaatgct tagacattta agacaagccg   240

atctacatat taggaaaata acaaatgtca tcatcataaa aaaaaa   286

<210>   30442
<211>   439
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30442

nggagtgtgt tcatgagaac gcacccaana aactcagcct ngctgtgagt ccccagaaga   60

tttaattggc gaccatttat tattttttaaa ggaccataaa aaatgtagga gtctatcttt   120

caatcttctc tcaacatcat tcaatatctt tcaactgttt ctacaaaaat atcttgaatc   180

attcctcttc atcttccaaa aagtcttggt tcaacacttt cttttccaaa acaagtcttt   240

gtcaaaaact cgtgctatca tattttcatt ctcgtcttct ttcccaaaga caaagactaa   300

ccgctgattc tttgtgctct ctcttcttac aaagatcaag gacaaccgct gaaatctttg   360

ttcttccttc cctagcaaag attcaaagct aaccgctgaa tactttgttc ccttacaaga   420

ttcaaggata ccgctgaaa   439

<210>   30443
<211>   365
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30443

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aatgtatata tacttgtttt ttttaatatg agtacgttaa caaattatac ctagatatta   120

tcttacaata aaccaataat ataacttatt aacacactta aaatacacca ataatatacc   180

tagatatttt aattaatata taaatagagt tatattatta ttattaataa atactccaat   240

atttctatga taaaagcaca tgcactttga taatgaaaaa ttacctttct tataaaatat   300

gatggttcta tgaatctagc atactatgaa taatatataa agttttttaa ttcataaata   360

tcaaa   365

<210>   30444
<211>   442
<212>   DNA
<213>   Glycine max

<400>   30444

aacatctgga ccttaggtgc catttttaga gtaaaatttt aagttaattt tggggatna   60

aaaccattct tagagtccaa attaaaaatt aaaaattcaa atcacaattt gtggttgtac   120

acaaccacca cacacgttcc agggcaaaaa attcaaatgg aggccccatt tgtggcttaa   180

acaacgggtg tgcgtggcaa attcaatggt atcactgaca acccatcata gtcccccacg   240

catcttcaag agctttcaat anggacanat ttangctcca aattgcaagt ccaccccgc   300

aaagccctca ccctacaccc tcacagatct ggttgtcgat gtagaggcat ccatcggagg   360

aaaggcagtg gtgcacaatg tcanggttga gccaataaag gatgtggaag gccgacttga   420

tgaagaggaa gtcatcgtca at   442

<210>   30445
<211>   222
<212>   DNA
<213>   Glycine max

<400>   30445

agcttttaat tttaatacgg acatcaaaac agagcagtgc attaccaatt taagtactac   60

ccaccaccaa gcaaagctat gttgaagata tacttttgta actacataat attttatttt   120

ttcagttttt acaataggat ttagtaaata agttggtgtc ctatatttta agagtaagtc   180

agttctaatg gattagctta gtcaaaaagt ggttcctatc tt   222

<210>   30446
<211>   209
<212>   DNA
<213>   Glycine max

<400>   30446

ggcccgctat gtaactaggt tctatctact gcaactgcta ttatcccaaa tctttattgg   60

attttatata agcaaatgaa gtgtgaggaa aagtaaaaat tggatcataa agaagaaaaa   120

attgtgaatt agttgtacat acttttgaat tttgcactat ttacgagtac ttaaagacaa   180

tattacttat ataatgatta tctaaacag   209

<210>   30447
<211>   179

12700

<212>   DNA
<213>   Glycine max

<400>   30447

ctgagtaggc tgctgtatga gatctctcag aaggactgaa tgcttgggca cagaatctac   60

tacccatagt cttgggcaaa gtggaaaccc ccaatccacg gatttggata tgcagcttag   120

tggacaagga tagacaatat agctactttc tttttaata tacctatgtc attattgct   179

<210>   30448
<211>   493
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30448

naacaggaat tttagtnant gcgaactata gaaacacaac ccggggggat atcactcgcg   60

ggtacgaacg aaccgcagcg atttgctatt cattcgccac ccactgacga gagcgggttg   120

atgaggccaa aagcctgaga gctacggagc ggcccctgcc gtagacacag aaagcaaccc   180

ttggagttgc tgatgctgag acaagagcag caactcccac gtcactggaa gcagcactcg   240

agcctctaaa ctcagcatga ccagacaaaa cgacgcgcgt caagaccagg agaagagaac   300

ctggagcagt gtcatcctca gtgagacaag acgaagggga ggtgctgccc gttataagag   360

cacgagatgc ctaacgaaac gagacattag aagccacaat gccgacagcg ggggaatgat   420

attcatgtgc caagaccaag ttcggagtca acatgtctgg atggaccagc tacgagataa   480

cttccctccg cgn   493

<210>   30449
<211>   303
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30449

agcttatatg aacaaaattg ccttaatcat tccaaatatg catgtgaatt angacgcatc   60

aacaagaatc aagccaaggc tattgtgcaa gcaatcaatg gggcaaaaca cacccaatga   120

ttataatgat ggatggctca nattctcaca aaggtaaaat catcactttc aaattgagct   180

ttcaaaacta tcatgacatg tagagaagaa tcaaggattt caagtcacaa aatgtcaaga   240

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acttttattt tcaaaacaat tacccatttc ttgaacatat cctataattc aaagaaaaac  300

atg                                                                303


<210>      30450
<211>      134
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30450

ntgtcctcag atcccattgg tgggactagg ctcaatttag tcggttctcc tatgnttaga   60

ctaacttana ctaagcttca tcctcagatc ccatttgttg gactagactt agcttaaata  120

gcttatgaaa tttt                                                    134


<210>      30451
<211>      244
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30451

agctngtgaa ccgatatatc gataatattt tagatcgaaa gatccttccg gaaaggaatg   60

taaaacttta tcattctgaa tttgacgagt ttaaaataga attagagagg cgaaacctgc  120

acaaacgtct cgccaacctt caggaaggaa gcatagatgt ggcagtggtt aaggaatttt  180

atgccaattt ctatagtcca gcaaatcaag ctcctanata tgctaaaaca agaagccatt  240

taat                                                               244


<210>      30452
<211>      432
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30452

ggctcaacta caaccttatc gaggccctca aacactattc gtgnctccca cttccagctn   60

tgtttactat tccatcgacc gacagaacca aggggatgaa ctccaatctt cggtcgacgg  120

aggagtgagc tctacaacan agtcaatgag cacctagtcc ttgatggcac ctctttttc   180
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aaagatgatg ccatacttgg acaattcgat caaccacttc accatccttc ctcccaaata   240

gggtttttac agaatttttc agattggctg atccatttgg atgactactg ggaaactcta   300

aaagtaatgt tgcaatctct ggacgtgatt agcattgcca agaccattnt gtctaactct   360

tgataatgcg actcaacacc ccacaaaaca tggctgatga agatgttgaa gaaatagagc   420

agcacactca gt   432

<210>   30453
<211>   240
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30453

agcttttttt accatgagat tgtttgaggc cttatgtttt tcttgatctt gtntacttga   60

ccttaaatac atgttgaagc aatgcttaac ctttgaatgt atggtgaact aaccttgtat   120

taatcttaaa gcaatgctta acctttgaat gcttgttgaa ccaaccttgt atgaacctac   180

attggcatca tcagaaccct gtatacatac attcacaata ggtacccgac tacgtgtatt   240

<210>   30454
<211>   426
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30454

gggccgctgc cattacgacn acnncnccta tnganacnca agccancngc acaaagggca   60

cggatggcac ccaagggaat gattaattca gcccccaaac caaacngagg ggacaacaca   120

annacaaaac aaggaccaca tgccccgcac gcaaacaaag acagcgccta cgcaaagaaa   180

atagcccgcc acggaaagag agacacacaa tgcgctggca gagccaggag gcaaggacca   240

accaccgacc ccccgccact agaccaaaaa tatcaagggc acaagcaagg ccggccacga   300

agaacgcccc ggataacgcc ccgctcgagg cacaggagcc caagaaaaca gctacaacca   360

aacgcgggct ccttggccta agaggccaaa gaagaagccc cgccaaaaac caggacacgc   420

tcgacn   426

<210>   30455

<211>   376
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30455

agcttttatt gttcaatttc gagtgtctcg atagaggatg cccctgaatc ggacctccga   60

atgaaaagtt atgaccattt gaatttctcg agagctacct ttgttcaatn tcgtgcgtct   120

cgatatatta tgcgcctgaa tcggacctcc gagtgaaaag ttatgaccat ttgaatttct   180

cgagagcttc cgatgttcaa tttcgagcgt cttgatatac tatgcgactg aatctaacct   240

ccgtgtgaaa agttatgacc atttgaattt ctcgagagcc tccggtgttc aattttgagc   300

ggctctaact gtgatgcgcc tgaatcagac atccgagtga aaagtatgga ccattgattt   360

ctcgagagct cccgtg   376

<210>   30456
<211>   349
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30456

tccttgtgtt cggactctca gccacttatg atagccgtcg atgatcccat tactgcttcc   60

cctaagctct ctgtcctttc ttcacgccgc atcccatgcc ttgcgaactc cttggagtac   120

cctcgcgttg tggtcactga naccccgtgc gatgaaaggc gtgatgcttt cgtctaatgg   180

cgctcctctc atggggtagc caagctgtct tatggcgaga acgggattat aattaataca   240

accccttgtt cccatcaagg gaacatttgg acatccttcg catgaagata gaatcttgat   300

tcttccttcc ttctagcgag ggaaccaatt aacagaacgc cccccatgc   349

<210>   30457
<211>   206
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30457

agttttattt tctgattgng gacctgtggt ttgtgcaagc gcgtcaaaag tctacgcacc   60

ttgaaatggt cttgatggat gcaaaggtat gttgcgattt agcttttgct ttgtttaata   120

12704

atgagatacg gattatgctc tgctttgctg attgggtgtt ttgatcccct atattgagtt 180

gtaatttatg ggatttggtt aatcat   206

<210>   30458
<211>   510
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30458

nngggcgga gggaganann nnnnnnggat ccccnnngna tnanactnng nanaanannc   60

nnacnnancc nntnanattg cnacatgnng aggttaggac acagtttgca tancttaata 120

tcgcgnangc aaactgggag tctggtgcat actgaaagcc catgaggccc actaaacaaa 180

tctaagatag ctgatgaatg tgtatactaa tgaatccaac gctgggacgt cagatgacaa 240

tggatacacg atggtcagaa agacaaaatt tggccacata tatgttaaga ccatgtcctg 300

cgcacaccct attgaagagg aggttacaag actgcgatct tcaggttcta aggcaagaac 360

gcatttccca gagccataca tacctaaaca ggctctccta tggatgatcc taccatgagc 420

ctgcggaatt tgagcacaga nagacacatt catcacaata cacgcactct gttagatttt 480

aaagtggtgc gaccttcgtt cattgaaatg   510

<210>   30459
<211>   493
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30459

gaagttcctt gattcccaat tgtanctccg ggntaaagag atttgagaag gtttgtgatt   60

tgaacacaan gccacggggg gtttttatata attatcacct cactttaatg ctgctatgct 120

cataagtaat tgatatgttc aacgttataa ttgtatacgt tgttcatacg ttacatctct 180

agtgtatcaa ccgcctcgtt gataatatta gagcatggat gattggtata ttgctgttat 240

atatattgct ttaccgcttt tcggtgtcat ggctaaatta ttacctttcg ttgctaaatg 300

cgtaatccgt acagacgatg atctacctct aatgctatta tcatgactcg taactaatat 360

tatgaatact atatctcttc gtgtttttca tagatgttca ttcattactt acagtacttc 420

12705

tcgtcttaca atacgaattt atagccgtac tcgtgtttat agtatagttt atacacttct 480

actcatctac tcg   493

<210>   30460
<211>   389
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30460

ggggcgtgaa tcatgacatg gacnccncnn nnntaganaa ancccggag nangaacgaa   60

agagggggga cgaaggatat ttccccccca cgccaaacgg gggggagggg aaaccaaacc 120

accccacgac aaacacgcgc agacaagacg gaaccagaaa aaaaagagaa cggggcgaac 180

cagccgacgc acccagcgaa gcgccaaaag acaaacgcga ggcccgcaca aagagacgca 240

gcagacccag ggggcgcaca ggaagagggg cacaacaaga gcaaaaccca gcacaccgga 300

gaccggagcc cacgaaaagg ccgggacaac gcagcgaacc acgcccacga agacagcaca 360

agacgccgca caggaagcgc aagcaggcg   389

<210>   30461
<211>   297
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30461

ctcatcttgg gggagaagct gcttctttca tggcttattc cttaatggat ggcgcctnct   60

ctcacctnct ttcctttgtc ttccgctgca tcttcatggt ggaaaatcac cattaaagga 120

ccccattgaa gctcaaagat ccagcctcca tataagctcc acaagcaagc ttccatcaag 180

tggtaatcag agcacaagag cttcaagtag gtgctcctta aacctccatt aatttntttt 240

ctttaccttc tcttccattg ttggttcttc atttttatcc atgtatctcc tcacatg   297

<210>   30462
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

12706

<400>   30462

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tgttagtcaa tgaatacgac taacttttgt gtaagatatc tgtgaaaatt gtatctaact   180

cctcccattt atggttattt ggtagtgttg taattacctt ttgttaaata taggtcataa   240

gtacttagta ctcccatttt gtgtatttaa taatcatttc ctttcaattt caggttaatt   300

aggcaagttt gtgaagtgct gaatttgata tgctcgctaa gccaatctgt cggcttagcg   360

agccatcccc tgagcgcacc acatttgtgg attatcgcta gacagaatct tgaagaagga   420

                                                                       438
tgagcttgac cactcgct

<210>   30463
<211>   216
<212>   DNA
<213>   Glycine max

<400>   30463

atacacttcc ttcaaagtga agtgtgtagc ctttctccat catttggcca atgcttagaa   60

gattttcttt taggttggaa actagtaaga caacatggat gaatcgctta cctttatctg   120

tctccaccgt tacagtgcct atgcctattg attctaccac actttcattt tccagtcgaa   180

                                                                       216
cttttacttt tgacaacttg gcaatgcctt tgaaaa

<210>   30464
<211>   477
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30464

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gttttaaaac acgaaaggag ggtanttta ttttgatnct anggncggaa gtgagggaga   120

gaagcttaat aaagttactt gacaagagag gcttattaaa gtggaatttc aaaattgatt   180

cgaaaaacca cacctggctt tcaccaacct taagttattc cttgacaata gatgctgtga   240

aatatcatat tgttcgcgaa tttcaggaaa ccctaattgt ttcaaaaagg cgaaaactgc   300

cattaaacta ctaaagaaca tgaaaggcct tgaggaaatg ttcacatttc aaaaagcgac   360

cctt atggag ggtttcaaca tatattgaaa tttgatactg aggacaatgt ctcaggaggt .420

acgaatccgc ttagacatgc gaatgttatg aagttgagcg ataaacagta atacacc   477

<210>   30465
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30465

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cgaccatgaa ggaggcaagc gttttgttct ctttatctaa cactaatcct aacggggggct 120

taaatccctt aaattcctaa gctacagcta agtcttctac ccaaaagtta agatagaaaa 180

agagaaaaag gatcaaggaa cttacttgga ccgtgtatga acgatgcttc aaagtccaaa 240

aaggcccaaa gagagttcaa atgcatgatg tgcaaatttc tttggagaga aagaatgcac 300

atgcgaagtt tctgtactat aacaaatttg agaggaactg gtggttcact cactttaaca 360

cgttggaact ttccgttaac gggacatttc gctaatgagc aaaaaatact attggttcta 420

aaccaacttg cttacgaaca gggctn   446

<210>   30466
<211>   254
<212>   DNA
<213>   Glycine max

<400>   30466

catatgctga caatagccga gaaacccatg aatctcttct ggggcggaga aggtgtctgc   60

catcgccttg gccttggcta acaatcgggg aagttcttga ctcccgttca atgaaaagca 120

caccgatcca tccacatggt tgcctctttg tgtaaagagt cgatcccccct cctctaccct 180

cttttccgct atacttgtgc atattcgtcc gcatcctatg ctcgtggccc gcggtagacc 240

ctactctctg gtac   254

<210>   30467
<211>   286
<212>   DNA
<213>   Glycine max

<400> 30467

aaatcctgac tcaccataaa ccttgaccca gggtgagaat gtcaatcctt accctcggaa   60

gcaaaaaaaa gaatagaagg gaaatttcca atcaaagaaa aagagaagga aaatttccaa   120

tgaaagcaaa ctaaagaata gaaggaaaat tccccaatca aagagtggga gaaagcacaa   180

agaaagaaa ggaaattccc aatcaaagaa tgggaaaaag tttaaaagga agaagaataa   240

ggaaagaaag ctcctgatca tggatcgaag gaaaaacaga aaaaat   286

<210>   30468
<211>   487
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30468

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atccagccgc atataatatc gagaaccttc taaattaacc aacggaagct ctcgagagat   120

cagatggcat anactttacc tcggaggtcg attcaggcgc ataatatttc agaccctaaa   180

ttgaacaagg aaagctctca aaaattccaa atggtcataa cttttcacac ggatgtctga   240

ttcaagcgca taatatatcg agacgctcca aatttaacaa cgcgaagctc ctcgagaaat   300

accaatggtc ataacttttc actgggatgt ccgattcacg cgcataatac attgagacgc   360

ctcaaattga acaacggaag ctctccaaaa attcaaaggt cataactttt cactcggatg   420

tccgattcac gcgcatcata tatcgagacg ctccgaaatg accacggagc ctctcgagat   480

attcaat   487

<210>   30469
<211>   386
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30469

tantgcacaa ccncaagcgn cgcccaaggg cggggctttc agaancagga cctcccttcc   60

aatatgacca ggaccagagc cattaccttc gagatgacaa ttggacttgc tcatttccct   120

tcagagaaat tgaacccact tataattgac cacagatgat acattgagaa gtcattagaa   180

12709

tgggaataag cactgcataa taaaacttca cactagtatt ttgggacata aagcacaggc   240

atacatatga ttaattcaga taacatccaa tgtttattga tgtcctcctt tgggtgatca   300

cccacacaca acatatgaac atgatgatgc taataaaaat cttgacatta tgtgggcaat   360

taatatgccc taactgtagg tgctan   386

<210>   30470
<211>   490
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30470

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aataacgagc cacccccatg atttagttcc acgcccccan naaaaaaagg cgcgggagac   120

cacggggaca cccacacaaa gacccccaan gggacacact accnggaaag acgccncgga   180

cccgccaaag aacccaacan gggaggacac ncacgcaagc gggagccaag aaacaagcgc   240

gggaaaaagc gcgcgaccaa caaagcggca agaacnggcg cgccaacgca caggaaggcc   300

accgaaacag anacgggatc aaagggaaac ngacagcccg aaggaccaac cacacagaag   360

acggcgangn caacgnganc cacgagaggg aggccactcc agncgccccg cacacagaga   420

aaagacaacg ccgacaacga cggcgaggan gaagcccatt cccccgcaca gcaagccggg   480

aagacgagcg   490

<210>   30471
<211>   347
<212>   DNA
<213>   Glycine max

<400>   30471

agctttatgc cctcaagcag cgcttttcac atgctgcacc attgttccgt gatagcatgc   60

acactttccg caccaacttt ttcaatgtta ttgagtataa gtagcatccc atctgttttt   120

ttttcatgat gtcaatgaaa tgaatatgca tggcatattg acatcagcta atttataggc   180

tcaaagaaag taggaggagg aaaaccaatc aataaatcat ttttggaagg ctgaatttca   240

cccaaagaag gacctattgt tattattaaa aacagaccag accttactca cttgccaaag   300

ctagctcaat tgacatctta atacacccc taacccaaaa tggacat   347

<210>   30472
<211>   483
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30472

nggacttagg ggcttgatnt ctannnatng anannnacna ccgtngaata tntggataat   60

tctgacagga cacgatttat tatattgcga ctaatgatna naggagagcg acccaatgag   120

aagccgacac tgacggaaaa tcagaggaag tccctaatta aacctaaaac aaggaaacaa   180

gtgagcaagt ctttttttct tagtgtgagg gatcaacacg caacntttc tcttatatat   240

gtctttctta acccctcaac aaattgtata tcttttaggt tattgaaaat tgtaatagaa   300

cattaagagt atattgtttt tacaaaatag aaaaatatat tttagcttgc ataaataatg   360

ggaaacttta tagtaaaaat ataatacttt gaggatataa attctggtgg aactctatat   420

atatatatat atatctatat gtatatatag atatatgtat atatatatat atgtatctat   480

att   483

<210>   30473
<211>   367
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30473

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atctaaagat gtaactcttc anaaaggttt tgactttntc aaatgggttt taagtttttc   120

taaaaagtta taactcttct gaatggtctt cttgatcaga catgaagagt ctataaaagc   180

aaggctntgt tttgcatttt gaatcaatca tttttccaat ctttctaaca aactcataca   240

atcttttaca agccttgaat ctcttgaaat ttctttgaac ttcttcttct tctttgtacc   300

aaaaactttc tgaagttttc tggttttcca aaccttgaaa acttgtgcta ttcattcttt   360

tcattct   367

<210>   30474
<211>   346

gggtannaac gaaatgttgt caaatacaat aaaagtataa tttgtttata ttntnnccta   60

nacaatggag gatgtcttca agcgtgatcc gtgtgccgcc ttcatcgtga cctgacataa   120

acattgcact ctacattgac acccctagtg atccttaacc agtcttgcat gacatcgtgt   180

gctttcgtgc cttcagtcac tatcctgagg ttgagcaacc actccaacct ttctgtaatt   240

gcttggcaag cctcctatga cattgacaac aacagataag gtattaccat attgcataat   300

taaattaaat gaaattaaaa agtacatgaa tttatatgtt accact   346

aggctgcgac tttggtgacc caaacacgct atggggggga gctctcctct aacttgcgcc   60

acttgtttca tcgctaataa tcaataagaa tctcatcact taattattta acgtccctga   120

gcattaaaaa tattccgaaa cattgaatta cgctcttttt ataatcatct ctttaaaaac   180

tttggaactt agagacagat ttaaaataaa attggaaacc tgaaaatatt tttattactg   240

aattttacta ctaaatttta aaggtttttt tacaaatcaa ttccatttct aaacatatgt   300

tgaaacgatc aattaaat   318

gggtcaccca cgacccccan nataaaccac cgaccgaaac gagcgagaga aggaagcata   60

tttatcgagc cagcccacca gcgagggggg gccaggaaac aggacccaca ccccgangcg   120

gaaagaacca ccgcagaacg caacagaaag aacgcgcggc accaagaaca cgcagaaaca   180

cccgggaaag accaccgcac ncgacggaag ccaaagacac caaccccccc aaagaaaagg   240

```
aacccaancc cgaacggcca ccgacgaaaa caagagacca ccccacacaa aggccacgga    300

gaaggcgggg aaaacaaacc aagagacgag cgcccacgga cggaaaaaga ccgccacgga    360

aacagcaggg gacg                                                      374


<210>      30477
<211>      250
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30477

agctngtgng ggtcgtgggc agactcaaaa ataatggaat gtgtagtggc tttgtcccat     60

acctccattg cagatcagtt gtgcctgagc ttgcttccct atgtttatta attttgttca    120

tgtttatgaa ggaatcgaaa ctttctgccg aggaccataa cgttaaaaaa ttatgcatat    180

atgaaccaaa ataaatgttt aaaactatag ggactataaa gaaaaattat cacaactatc    240

aggacttaaa                                                          250


<210>      30478
<211>      441
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30478

agggagacca tttcatgcga tcgtacnnac nnnttagaat agccttccta ctaccagcta     60

ataattaacg atgcactaag accattcttt acttcttaan gcgngnanga atcgaggatc    120

agtatactaa gccagactac aatgtaacct ggctattatt catactgtgg ttctaaaaaa    180

agaaagaaga gtagatcgcc ttgcttcata taaaagaaag tacaaagaac actgtcctct    240

gtatttgtgt ttttcaatac aaaagaagaa gataccctga gaaaactgat cctcctcagt    300

cacctttttt ctaccacatt aattaattgg agcaacaagc tgatttcttc tccacacaaa    360

cagaccactc ccctcaggga ttatgtttac ccccacaaca taatgcactg cagttaatag    420

gggacataat aatgtttttc t                                             441


<210>      30479
<211>      289
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<212> DNA
<213> Glycine max

<400> 30479

atggcatgat gcagatatca ccacgtactc aactctgata aggacactta attgtgcctc 60

ttcatgcctt agtttgatgc acttggcaat accctcaaca atattcatgg aaatcacaca 120

aaggactaag ttcaagccta ataatcactt catgcaatat tcttttatcc attttgactt 180

caatgcttta tgggaaccca acatcattac atcaccaata gcattccaca agaaaccgca 240

ttctaaggtt tgatgtaaaa taaaaatcta ccaataccat tcaatttgc 289

<210> 30480
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30480

nccgggggaa ttttgnangg attncnnata ggnacnncgg nganaaaacn atgaagccaa 60

agattaattt tttctnanca aanccnnagg ggcgggttca gaattaggct gcatactata 120

aaagtatncc ccataccgaa taatcaaaaa taccctcata cctttgagat ttaaagcaaa 180

cctcttaaaa agtattcagg tatccggcta tgccaaatcc ttgaatgctt agaatcctta 240

ngcctataaa gcctctcaaa agtattcacg tatttgacta ggtcgaatac ctgagcactc 300

aaatcattag gcttataaag cctctcaaaa aggattcaag atatgggtaa gctgaatacc 360

taaactctta gactccttag tcttataaag ccctaaaaaa tatcatggat tcgactaagc 420

cgaatagctg acactcanaa tcttaggcat tatgtcctca t 461

<210> 30481
<211> 240
<212> DNA
<213> Glycine max

<400> 30481

tgttttactt gagaataaat cacttaatca tatgagtgct tgagctattg cctatctgct 60

ctccgacttt ggcatgaaca aaaagccgag tgcgtaagac atacatgatt tagaaaaaaa 120

tcgtccacat agcgtccatt gtgcaatcag tcataaaagc atctggacta atcatgaagc 180

aggacatgag taaaccactt taaaatataa accactactc gtatgacata actcataaat   240

<210>   30482
<211>   461
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30482

gggactaggt agacatcgaa ncgnnaantt agatacnatc ctatgactng acactcagca   60

gagcaagctt tgatcatttc cttaacacng ncaaaggaga gagggagcaa taatgaaaaa   120

aacatgacac ttgggtccaa tgatgcacaa cctcacaagt acagggatca gctcaggcat   180

gacacatcaa aggaagcaca tccactcaga cacacagata agccccccaa atgaaccgcg   240

gggttactcc cactcgcatt cagaaatcac aacaagcacg aaacactaag gtcaaatagg   300

ctgaaacctg aatgggctgg ccacacatct gtgcttttct agacatataa aacactcaat   360

gatcaacgag agcaagaaaa tgcagttgac ataacgggca cttatacctc caaaccattt   420

tgtaacaagt tccctagaga tgaattgacc catcatattc g   461

<210>   30483
<211>   201
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30483

agttttgatt tccttttagn agggaannna tgcggggcta agttggagcc aaacccagtt   60

tccctcatta agaactagct catttcttcc tctattgcct ttaattgaat acacctttgt   120

ttggttctct atttggttct taaccctctc atgcaacttc tttacaaact ctgacctaga   180

tttcccttct ttatgtataa a   201

<210>   30484
<211>   233
<212>   DNA
<213>   Glycine max

<400>   30484

atgctttgct atcacttggc cacctcgtac catatatgct tacttttggt ttaacataac   60

tgacacaatg tcacttactt cactaacctg aagccaagct gaattatgga gaagggagga   120

aaaataatca ctcaaaatgg ttcaaaaaaa caatgaccaa tatggaacat tcatgaaatg   180

aatgctagtg aaagagatgt ctataactca acaatagaga aagtgaagat act   233

<210>   30485
<211>   374
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30485

ttccagcctt ttatgccang gttttaatcc gaagtccaaa cacttccttg tgcttttga   60

cctttgtgaa agtgaccttt ccagggatat tccacggagg cccttctagg ctcttctata   120

ttggactttt cttgaattca aatgttagtt attcanacgt aatagagaca aatggaattt   180

gaataanaca gtacatgtgc actttccttt tctgtgatac ccagtccttg agagactaga   240

cacatgaatt tatcgtatga cagtgtgtta tatttgtatg aacaagacta gatgcttact   300

aaataaagag agctgaacac tagattaana tagagcatac tctatctagt tgtgggcgat   360

attcctttaa cata   374

<210>   30486
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30486

tttaaaacta gtcactnaaa attttattat ttttgaaaga atcttcaaaa acaagtcact   60

tgaaaattgt gactttggaa agtattttca aatcagcact ggtatcgatt acccttaagg   120

tgtaatcgat aacacatcaa cagatgtgaa cttcattttg aattnttgaa aatcttaaac   180

atttaaaaca ctgggtaatc gattacatga ttatgggaac tgattacagc tttgaaatag   240

tttaaaaaaa tgctggtact ggaatcgata ctactttggt atcataccaa gagaacactt   300

ggtaaaattg ggaaacttat gtctactaat gtttgaaaaa gtnttagtac ttatcttgat   360

tgaagcttct cttgattctt gaatcttgag tcttgaatc   399

<210>   30487

<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30487

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agctaattaa tgctaaccac taccattgca catgtctctt aaaccgtggg ggaaacacat    60

gaaattcccc accacaatct acccgacttc gacccttgcc tcggatatgc cactgaaggg   120

caagcagttg gtggtatacc cctgcaaaac acttttgagg gcccctcagt atcacccaaa   180

actacacctc ttgcattcca caacaagtaa aaaccctcat gctatggtag aaatgggaaa   240

gttggatcat ctagaggaaa ggctcanggc cattgaagga ggtgaagatt atgcctttgc   300

taacctagaa gagttgttcc tagtacccaa tatcatcacc ccttcca               347
```

<210> 30488
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30488

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nnncggttct aatactangt natctancat anaaacacaa gcccgccttg gttanacatg    60

aatgggacct gaattgggaa cttgattata tatttcggcc aaaanggaag gagggaaaaa   120

gtggttttca aaatctgcac tttatgccga attttgcttg tgaaatgtgc cgcagaattt   180

tgtattagtg ccaaaaaatg cttggtgatt gctggatgtg aaaaggggta tacctatggg   240

ggtctggaca tttgcctacc gaatccaacg ggtaaaaatg agacttatgt actagagact   300

tccaagtaaa ttttcgagtc gatccaaccg tttacgaatt ggaacgaagg aaatgttact   360

ggtgtatttg tatgtgaaaa gctgtgattt tgagttgtgt tttgggtaga gttttctgcc   420

tttgccctat tttgcttgtt ttggtagtct atgatgattg gatgtgggaa tacctcgatg   480

ttgtggaag                                                          489
```

<210> 30489
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30489

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ggagacgacc cgaacacagc ataaaaccgg ccccgggacc cataaggggc cccagggcgc    60

cccccctttt gccgaaaccc ccacaccncc gaagggggg  acgaaacacn agcgaaacac   120

cccncccaca caccccacgg aagacaacaa cacccagcg  cacaccnaac gaggaacaaa   180

agcaggccac ccacaggcga gggcaaccca cacacgccaa gaccgccgaa gcgcccaaca   240

gaaccaacca aggcacgacg agaaaggaaa aaaaagcaac cacccaccgg aaacaaaagc   300

caacccggga ccagcaagca aggaacccca cccgccagcc aaacagaaga acngcaacac   360

                                                                   368
gaaccacc
```

```
<210>       30490
<211>       412
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       30490
```

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aatttttttt tttattcann cnnanaanaa caagggcccn ngnnggagga agcagaaacg    60

natttttttt ttggacccga aacacgggag gggggggaac ggaagcaccc ccctccccgg   120

ccnnggaacc cccacaatac accaggccat agaaaccccc cggtggaaaa gcaaatgtct   180

aaaacaaaaa tagctttagt caaaacggag gaaatcgccc ctcgaaaaat gagcaactga   240

tagaaggagt ttccttccaa tcaaagtatt tcaagcagtt gaggcctgct aacataataa   300

cctttaactt gaacgcactg ctaggttagc gcccctcct  gtacagggta caagaggttg   360

                                                                   412
gctcttccct atagcatatc gatcctctat attgtttgac agtaactaag tt
```

```
<210>       30491
<211>       347
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       30491
```

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gtgctattga gatgggttta aactttactt caccagagaa gcctaaatga gccttgaagg    60

ataacctagt ccaaggtcac cagatggaag cttaatagag gagcatgatc gttgattgat   120

gtaagaaaga aggctnctta tacatcatgt anggaaagat atgcaaaggg gagacgaatt   180

ntgctcaaga tgcccccaaa gaattgtgac acaagagatn gngtcacatg agtatgaaag   240
```

gttngggagt tctagcaaat gatcactttc canacatana ngagcagcca cttgaatcct   300

acaaagattg tcttcangta aacgatcagg gtgttttcaa aaattgt   347

<210>   30492
<211>   395
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30492

cccaaagcta catctccaan aaaaacncca cggggcccaa aaaagaacaa aacagntttt   60

taccaggcgg gaaggaacac ggggggggggt cgaagaaata tccacacctc tccatatccg   120

caaaacaaaa aaaagaagg ctgaataaca aaccctggcc ataactaaa aacacgaaaa   180

gaaaacccag ccgaagcaat aaaaggacac atgacacacg atcaactaaa aaaagcaaag   240

accatacagg tcacaaaaac ctatggtcca tcaggcgtga atacccaaca aattaaccca   300

atcagagaca caacccccaa aagtccgaag tagagcaaaa gaaagacctg gccagagaag   360

ttataggaac taatcaaaaa ttgggcagac ctacg   395

<210>   30493
<211>   337
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30493

acctnttttg ccaatgngct actttcgcca ggaaggcatg gacaatcgca acttgtgcaa   60

catgtaaaac acanatggga tggctttta cagccaggaa caaacaactg aaacccagct   120

atttcttgcg gattccgagc tgtcaacttg caaaggaaat acgccaaaac ctttagtttg   180

atatgtatgc agtcatctat ccaaagctta gtgaaagcca tgttcaagta acactgcatg   240

gttatgtata taatgcaact ttcttgtagc acttcgcatg ttggtatact tatattaata   300

aaatatgttg caacagcttg gaagaaatta agtcaca   337

<210>   30494
<211>   451
<212>   DNA
<213>   Glycine max

<400>   30496

ntcattatcg attgttatct aacatnaana aaaccngcnc ggaacggacc taccgaaaag   60

agagcaattg aatcagacga caacnggaca aggcagcgag agagcagnng aacccacccc   120

cgcaaanggg gccngcaaac ccgcgcnagg aaggaagaag ctcccacnag caccggaaaa   180

aagacccaag acaannnaga gggaaagaaa aangaaaggc ctgagaaaag aaccccaaa   240

aaaagaaaga ggggcagcac catatacaaa gggagggaga atgggaccat aaatgcaaat   300

gaacagcaag ctcaacgcaa cgcttacaac ataacaacaa cagtatatta ttttaacata   360

cgagttaacc tctggccaac aatagagatt gactaaaagg agatagaccc atagtcgaaa   420

ag   422

<210>   30497
<211>   290
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30497

agctttttatt attttttgcca gctgcatcan aatgggaaac aactggaggt ttttgagtct   60

ttgcctcttg gcattgattg catcaactca tgctcaactt cagcttggtt tttatgctaa   120

taatcgccca aaagcacagc aaattgcttt gaaatttgtt catgaccata tccataatgc   180

ttcatcacta ccaactgcat taataagaat gcactttcat gactgttttt gtaaggtacg   240

tgcttcaatc tttaagcttc tgtcattttt acttaacaca tacaatgtta   290

<210>   30498
<211>   401
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30498

acacaaaaac cagcttatca gacaagaagt aaagatattc aagagtttgt ttatacgtcc   60

taagcttaaa gggttatttta tagaaggaat ccattgaagt acaaagttgg ccaaaaatta   120

agtaaaaagt tttttcaaga aatttactct cttgtaatcg ataccaaagg atgtaatcga   180

ttaccagtgg ccaaaactga tttacgacag ctattaacat ttgaattcaa aatttgcatt   240

gtgtaatcga ttgcacatat atggtaatcg attaccagta gtttctgaac gttntaattc   300

aaagtttaaa gcttttaatc gattacacac atactgtaat cgattaccag aggagttttt   360

cagaaaacat tctcaacagt ctcatctttt tatctgtttc t   401

<210>   30499
<211>   76
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30499

agctttagcg tgaaactnta acttttcata ttctttcaat tagatatttt taatattggc   60

cttttattta tctttt   76

<210>   30500
<211>   387
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30500

tatagtttaa atcaaaatag atctttgtat aatggtgtta ttttgtgctc tttntatgaa   60

tcttcaagag ttgtggttaa ggatttcccc ctttcttcta agtcttgana atccttaaga   120

atantttcg tccactagat accttttgt ttagtaatgc cttgacctcc tcacaaacaa   180

atgtgtcttg tacatcacta gttgaagtgg tttccaagaa aaaatcaact aaatgagctt   240

gatgagtttt cttaagatcc ctatgctctc tttcaagatg ttgaaaactt gtttagtttt   300

ctataagctt tagagacgtg agcatataca gataaaagtt gattgtaccc tttaattaaa   360

tattttctag attcanatat tatctct   387

<210>   30501
<211>   456
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30501

nnnaaagtat ctttgtatcg taccnggntn ntagannann cnncccggag gcacnaaaaa   60

ggaccctcaa gcagcgcgca cncgtttttt tatgcgccaa aggaagccca ccaggggggg   120

agatattcgt tatctaaact ctcaaaagtg actgagaccg tgatgaatat agacgagttc   180

gagtcacaat ccgaatatta ctctcgaata tcggccgtag ccaggcggca tgaaagaaag   240

gcgcgcaatc ttgagaaggg atagaacggc aaaaattctt cgactttgct ctccaagtct   300

cactgaatgg tgcccccta gattgaaacg cagatgttac caacctgact attgatcaac   360

tcatggcgac ccttccatcc tattgaaaca ctccaatgga cacaacctag acaaatgccg   420

cctcagagca cgacctcggc tccacgaaaa gaaccn   456

<210>   30502
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30502

ataagcagta cagaagcann cnatagaaac nccgcgagnn cacacgcaag caagaccaat   60

ttattttttg ccgcnaacaa cagccgaggg gaaacacaat aaacaaccga ctggacacaa   120

agaaacaaaa aaaagacaca cggntgtacc cctatctgca cagaacaaca acatctaaca   180

tagctttact cggaggaaca cgaaacccca agaggacaga tggaaactac cctatgatca   240

acctggagaa tatcaatggt gaggagagag agactatgtt ggaccagaat caacatgctc   300

gtcagaaccg gtgagttttg gagggaaccc acaaccacaa actgctttac aaaacctttg   360

gcatactcac tcaaagttat ttagagctag gcatccgcac cgtaactgtg cctaaaggtg   420

gacatataaa ngaagacaac gaacggggcg cn   452

<210>   30503
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30503

aggagtgnnn ctgaacaccc agtaaccgac cccgggatcc caagacacca gaggcggcaa   60

atttttact ggagcacaag gaaacagccg ggagngaaga aggggaccaa cacacccang   120

ggcccaacag gaacacaacg ggcgcggagc cccagaagca ggaaagagcc ggccacaccn   180

tccacatgta aagccagaca acttcctcct tagcccatga cccacgacat cgcgtgcatc   240

cacagatcgc atcccaaata tccgaggcac aacccttag accgtaatat gtggcggaac 300

caggcgagca agctgagggc gggcccacaa agcgggacct cggactggaa caatagaaag 360

gcggtatggc acaccactag cctctatcga cagccactca tgacacatgt gcgccggcct 420

gcgcaccttg cgacg   435

<210>   30504
<211>   480
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30504

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aaanctttna tacaattccc accnggngan acccaccagg agggntttca tatgaagcat 120

acatcactgg ggggtataat tccaccttat tgaaaaattt aatctgcata atatcacttg 180

tgctcaattt cttgtgacca agtaacattg cacaatccat ttcatccaac atgtcatggt 240

tgtggccaaa gcaacatatt gtacatacca atgatcgtta ctaaagttaa cgtgaccatg 300

aaacctagca ttgcaaccac cttgtatcat gttttcctca cgcttcctag ttgtcaatgt 360

cagaccacta tcatctcaat atccaacatg agagcanata aaaaagttgc tgtaatgttn 420

tccctattat gaatctcata acagtacttt tacggacaaa ggtaccatta tatctagctg 480

<210>   30505
<211>   141
<212>   DNA
<213>   Glycine max

<400>   30505

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aacaccctgt atatcactag accctgtgaa tgaagtgaat tttatgcatg ttaaagtctt 120

cttatttttt tttgaaaaac a   141

<210>   30506
<211>   349
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30506

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ctggtctctg tcttcccttc gcaacttgag ttcactattg ctaccccata gagctccgcg   120

aaatatgttc cggccatact cttccttgtg agccctcttg gtctcttgtt caagggctct   180

tgcagtaatt gcattctctt cccgtaaccc ggcacactcc ttccgaacgt gtgtagcggc   240

caacttgaac ttctccttgg caagtattgc ctttcctaac tctcttttga gagtttggac   300

ttcttcgtcc tcttccggtg cttcaaaact ctcttcgctg acgactttt   349

<210>   30507
<211>   157
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30507

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tgttctgaaa tctgatggtg ggggcaactg gcacatagtt tcttaaatct cttccagtac   120

tcattcaggc tctctccact gagtngtcta atacctg   157

<210>   30508
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30508

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aattaggtca gttgcctctt caggaatctt taacttttat ttttccccct gctgaagcat   120

ctagcagttg ctttggtttg tggtctcagt ccctctataa acatattcaa ttgagttggc   180

tcagagaacc catgggtggg agtctttctc aataaacctc tatacctctc caacgcttca   240

ctcaaggact cgtcanggaa ctgatgaaat gaagagatag cagctntccc ttctgtagtc   300

tttgactttg ggaaatattt cttcagaaac ttttcaacaa cctcttccta aggtttcaga   360

ctgttacctt taaatgagtg   380

<210> 30509
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30509

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cattccattt cttgataatg ccctaaaata gaaattcaca tcagaaaaac tgtgaccatg   120

atggtaaacg tcaacagaga tcatcacctt ctagattctg tatgtatata ctccttttgg   180

ctcgatataa caaaaaatac taattaagtt ggtagaatat taattatcca attcatttaa   240

agataacccct tttcataatt atcttcttgn acttgattca gaataaagat gcttggaaca   300

<210> 30510
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30510

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atgcaaatgg aggaaggaga ggagcatctg gatatatgtt gtttctactc atgaggtatt   120

ctagattaaa gaataccttg atcctcaact agttgccaag aaaattctca taaacctaca   180

tgatattata ttttttgtta tatgccctac attaaaaata gcccttagtg cattgttagt   240

ttgggggttt gactgtaaat tattttggtg tccttttgtt gagttgactg aacgaaaatg   300

gagaagagca ctacacagag gagcangatg aacagaatgg agaggaatga agccaagatg   360

aggcagttgt agtggatcag attctacgat ggtgcatact cgtaatggta caggctgaca   420

aagtgggtcg aatatgaaga gcccgtcagc taagcattgg tggggggtga aacaaaattg   480

t   481

<210> 30511
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30511

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tatgtcaaac aaacggctct tgtgaataat tgttnggacc cggtgtacag ggagggcttg   120

ttgcaggaca agattattgc tatctatgtc aacattaaca atcaatgatt ttttggacaa   180

atatcaagcg gactgaaaac aaaacagggt taatgaataa aagaggactt tatcgatcct   240

cttttaatct tcataattgt ggcactatgc attggaccca ataaaaatc ttaattttag    300

tatggcctac caaaatagta taccg                                         325


<210>      30512
<211>      180
<212>      DNA
<213>      Glycine max

<400>      30512

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atgagtaaaa atatacctcg aatgctgtca caataatcac agccagaaag aatgcataag   120

tcaataaaat tggtccatgg tcatatttag ctcctccaaa atctgaaacc aaataaatac   180


<210>      30513
<211>      237
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30513

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ttgaaaaatc tgaaaagggg ggcaaaatgg gttgctttaa atttgtagtg gcctccagct   120

gcaacatgct gttaatgtgc cattgcactg ttataacata tgcatgataa ctacaagtaa   180

aagtcttgct ttatttaaac cttttngtgg taaatctgct tattagaact caatatg      237


<210>      30514
<211>      492
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30514

gcgcgatatt ctgtanttca acacaanaaa cnaagcnggg aggaactnga ggcgaaaaac    60
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ccagggaccg tcattttttt acacggaacc acaccaggng gggaatggga tacaatattt 120

tacatcgaga cggacacatt tggggatact aggcgattca ggtatactaa atattaaaaa 180

tcgaattagt tgaactttta atttcttaat taaatccttg tggaagagac gaataggcct 240

ttctttggag tatgataatc actgaacctg tgagtcacta tctttataag attcgacagt 300

cacatactca atatgatata ttctcatact attaagtgat tatatttatg cctctagtga 360

tgatgtggta atgagcatac atgcatcatg cagattacat gcatgcacgc gtgtaaataa 420

taatggaacg tgccatgtgt catgtgcttg cttctgtcga gttctgaaat cagacattat 480

ataaagttgc tn 492

<210>   30515
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30515

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caaagcccnc acgcnccccg agagggatcg gacaaaaaaa acccgccacg aaacgaccta 120

ggctataaaa gaaagtacaa caaacacggg aggcaacgac aacgacacac aaaaatgaca 180

aacgcaccgg ggaggggaac aaaccgacgg ggaatccagc taagaagcag cgggacgccc 240

atcatccagc aaccaagctc tgcaccatag aagcaaactg accaacggaa aaacgcaggc 300

accacctggg gggaaaacaa cgaccgacaa ggctgaaccg caaaacaagc cagaacaaca 360

acacaacccca ggccggccac agaagaggcg gaagaaacgc gcccatacag gcc 413

<210>   30516
<211>   303
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30516

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tagttaaaaa aaaaggaaac ctgattataa aaaaagata tgattttgt ataggaacct 120

aatagcatat gatttttgta tagaaacata ataggatagg ataaaatatg atntttattt 180

12728

gctctagaat acagaaacgg tatgaaagaa aaaagaaatc taataggaat agaaaaagga 240

ttaacatang anaactaata aaaataatga gaaatataaa ggaacaccgg actcacatct 300

tgt 303

<210>   30517
<211>   223
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30517

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acatccacaa tgcgcgcata aacccaccat cccctgttgc ccacgtcaac tgagctcacg 120

tactcccacg tagcccatat ncctcgttct ctcaacaccg ggtccccatc aatccttcca 180

agcttncaca acatccaagc caaacaacat tcacacagca caa 223

<210>   30518
<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30518

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cggcactaca cgccgtgccc tttgtttaat ttgaatccaa gccccatcct ttcggggggc 120

aatgcccctc tcattacctc tatcccgggc aagacgatga ggatggagat acccatcttg 180

gccgcctgct ccacctcaaa gatccgtccc ccatgaacta ccccaacgaa catagtccgg 240

cctatcccgg cctcacgcta acccgataaa gaatatgatc ccttcgctga agatagggag 300

agatcgaggc gcttgagaga ggttaaacca gtcggggcct tgcaataccg atatatgcct 360

actcattacg atggcgccac aatcaattca tccagttcaa ggccggcttg tattacaaag 420

gacactgtcg atgggctctt cgatgtttgc gaagatgggg 460

<210>   30519
<211>   349
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30519

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ataatnttgg tcctatagaa gaaataataa aacaattcgg agatattctt gcattgtata   120

tccccctgc tgctgtgtac agagatccat attctattca ggtgtttgaa ttttagaccc   180

tctataaata agatttttca tcatatcagt tntctaatgt actaaatata gagaagaaat   240

tgctctgttt ttgccattta atttatagaa aacatttaat cttctcaaag gggagtaatt   300

ggaaagaatg ggttgcctaa tttctacaaa ggctgataac ttttttttct   349

<210>   30520
<211>   307
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30520

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cagcccttgc gtactcaatt tccaatatcc tttcctataa ttgattattc aaaactgtta   120

gctataatgc tatgacatca taacacgtag taacaatggt ttgtttccta tgttaagaaa   180

taaagattag agaaattgat aagttattgg ttgtataccc aatttcaatc cctggaattt   240

caacaacttc cttgtaagtg actaaatggc ataaggttgt agatcattcn gtttcacatg   300

attgaaa   307

<210>   30521
<211>   320
<212>   DNA
<213>   Glycine max

<400>   30521

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aacgaacatc atcttttttc tctagattct caaactcata attctcattt tgaaatttgt   120

tgagtgcttc cagaacttca tccatagaaa gacttaattc attgtctcct tgcacacacc   180

gaaaggccaa ccctgctact gaagttagta tccttttaac tacttggtct gactcaaacc   240

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ttgccaagta gcttcatctc   320

<210>   30522
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30522

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ctggaggagg tttgggtttt acttgctttc tccctgagtg acattgtatt ggtggtatat   120

gagtgttcat ctagaatttt tgtgcatctg catcatatga atagtgagac aaaattttct   180

aagtagaaaa gttctcagaa gcgaaactct ctatttaatt gattacaccc tatcgtgatt   240

gttacccaag tgtctgagct tgcggagtat gtctataccg tttaatcgat atagcctctc   300

gaatcgatac aaattgtgat gaacaatgct gactattcaa gagttctctt tatcgatacc   360

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ctacatcc   428

<210>   30523
<211>   276
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30523

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cgtgaagtgc gtggctacga gtgggacttc gaatattcag gtttgggtgg acttctttct   120

ctcttaaatt tcgtgggtat ggggttntgg gagatatgat gggtagtctt gctaggtttc   180

tgctgtatga tgattatttg tgaagaaatt tgttgaaagc ttggtgaaat cgccatgttg   240

gatgagttaa acatacccat ttctgtttaa ggtttt   276

<210>   ·30524
<211>   400
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30524

12731

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cgtgttcttt gaaagatccg tccccctttt tgcaaatgtt ctgtaattgc atcctatccg   180

gaaccatatc aaaattgtac tgatactgcc taacaaaggc aaccattang tccttccaag   240

aatggactcg ggaagattcc aagttagtgt accaggtaac agctacccca gtaagacttt   300

cttggaagga atgtattagc aattcctcat cttttgcgta ttcccccatc ttctgacaat   360

acatctttag atggttcttg ggacaagtag tccccttgta                         400


<210>       30525
<211>       321
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       30525

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acgtaactac ctatgctata aatagaagca tgtgtcacac ttgtggtaac tctgatgaat   120

gagagtcttg tgagacacac ttcaaagatc aacttctctc cttcttttcc tccttcaatt   180

tcctgctccc ccctctctct ctctctcttt cttttcctcc atagaagcat cctctccaag   240

cttcttatcc aagcaccttc ttggtggcaa atctccttct tccatggcgt attccttagt   300

catatgccat gacaattaac a                                             321


<210>       30526
<211>       227
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       30526

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tggacttgag tgtttgtgag ccaccttgat gtcaccctaa catcaagtgt tggacctgag   120

tgtgtagaag tgatctctat tgntcagaga gcaatctctg gtgtgtattt gatttaattg   180

tatacaccgg agagtgattg agagggagtg agaggggttc tcatatc                 227
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<210>    30527
<211>    300
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30527

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cagtctgcaa ccacgttgca taactgacga cctaaataag ttgtcatgtc aaacaanatt   120

taaaactaaa atataaataa natttaacta atttcgtcct attcaataat atcatatgta   180

aaaaacctta ttcaccaaac aaaatatcta aaatatcctt aatttaataa aagtttattt   240

taactacgtt ttttcctgtg cgagtaatga aatgatactt aaaaaatatt aatttttaat   300


<210>    30528
<211>    477
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30528

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caggtacatc gtaaggaanc cgtttgattc cttaccaaca gnngcgacac ggaggggcgg   120

cataacatca taaacacaca tatctcagat accttaatgg tgcaatcaca atttacacac   180

gcatgacgat gcagggacta ggtactatca tgcccacgac ggcgtatcga gggcgcccac   240

ttcttgacta cagaggaaca catcttcggg ttagaatcgt ggacgaacaa tgcaagaact   300

acaacgtggc tcaaggacaa gaaataaaaa gacttcccct cgttgggatg ggagaccaaa   360

tgcactttct tcataataga agctcactgc atattgaata cgtgcggaac aatcttatca   420

ncggagactg taacctaata aggtcaagag tctacaaatc atagatgtaa cctggtc      477


<210>    30529
<211>    254
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30529

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ngcaaaattg gatgagggaa agtgtgatat cgaaaatctg cacttatgca aaattttgct    120

gtcaactaag tgcagcagaa tttggctctg tgcaaaaaat gatatgaaat tgctggttgt    180

ggaaagagta gcaccgattg ggttctggac gttttctatc agatcccaac ggtcaaaatg    240

tagatttatg tact                                                      254


<210>      30530
<211>      298
<212>      DNA
<213>      Glycine max

<400>      30530

tccaaataaa atatttggga acgtctatta gactataact ctttaacagc tactgtgtat     60

ttaacgggtt cattaataag tcagattaaa aaataatttg tcaaattata attttggatg    120

acgcttacgt gacaaagtgg acgtttgata ttgaaaaaat taaaattact tatttaaaac    180

aatataagaa ctaaacgtct tcatttagag ataaaagact caaaatctca gatttaaaat    240

aatggtgaac caaaattatt aataaaaata tataatcgtt ttaaatattt tattttcg     298


<210>      30531
<211>      318
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30531

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ctaaaccaaa gttcacttag catcacgctt gttacaaagt attagaatgt cgcaatatct    120

ttaatgtatc tcagattatt gttaggatca tattgcaagg tgtgagaagt gagtatcaca    180

atgaaagttt ggcattctaa tgtaaggttt attaagcctt aaccttgagt tctcaactac    240

aatggctngc ttttgtggtg tagttcttcc cagagtctta ataattggta ttagagcttc    300

ttaccatgtc tctatgct                                                  318


<210>      30532
<211>      368
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
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<400> 30532

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gctatgagag aggtatgtgt agctaagctc tagcttcttt aggaatcttc ttaaggaagt 120

ttctcacgga ggtgagctta gttatgagag gggtgtgtgt agctaagctc tagcttctca 180

aggaagtttt ctcaaagaag cttctcaagg aagttttctc aagaaagctt ctcaaggaag 240

ctacctagtc tatanataga agcatgtgta acacttgttg taactctgat gaatgagagt 300

cttgtgagac acaacacaaa gttcaacttc tctcctcttt cttcttcaat ttgtgctccc 360

cctctctc   368

<210>   30533
<211>   277
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30533

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ttctaccaac tacaaaacct aagaagacta tattatctac acaaaaggta cacttctcta 120

tatttgcata gagggtgttt ttcctaagga ctgaaagaac ttgcctgaga tgtcctaagt 180

gatcatctag gctcctactg tacactanaa tatcatcaaa ataaacaact acaaatctac 240

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<210>   30534
<211>   293
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30534

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gctagagctt agctacacac cccctatgat agctaagctc accccatga caaaaaacat 120

gaaaataaca caaaaaagtc cttattacaa agacaactca acatggcccg aaatacaagg 180

ctaaaaccct atactactag aatggccaan atacaaggcc tagacgaagg ataacctat 240

tctaatactt acaaagataa gcgggctcat acttagccca tgggctcgaa atc   293

<210>   30535
<211>   367
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30535

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gccactggac cggagaagga aaaagaataa tggaaaacgt cccttcaagg aaaagatgag   120

tcaagaggaa gctcaccacc atangaagac atgcgataag atcttggatg tatgagaaag   180

ataattggca agagaaggag agaaagggta cgatatcttg tgcctcaaat gaggtctgaa   240

ctttgaaagc gaattcttaa atgatcaaag gtgacaaaat gcacacctat ggcttctatt   300

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catgaac   367

<210>   30536
<211>   474
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30536

naacttaaga tcagatcaac ctnnaaaaag ccccagctga aacanngtca ggtgcgggcc   60

caaccttaat tatgggttcc aacaagnnnc ccaaatccag gagtaccatg aagggataga   120

gaagacatac tgttgataaa cacccacaaa atatagttat ggcaaagcat tattttttcca   180

acctttttaaa aaatataaaa ttattaataa tatttccact aattaccata ataatatatt   240

aatggtagaa atacttaatt cttttaagtg ataacatan agcctcttaa naaattgtga   300

gcaagccaac ttgttatcta gtccgttctc atacacattc ctaggagnat gtatcatatt   360

cattttcaaa tcanaataag aaataacata tcatataagt tcctaggtgt caggtcaatc   420

ctattgatat caataaaaat aatttaatac tgctattggg tgtctagcac tcag   474

<210>   30537
<211>   449
<212>   DNA
<213>   Glycine max

12736

<223>   unsure at all n locations
<400>   30537

aggggagcgct ttgcattgan anncnnccnn nnttngnaaa nccgccngga ngganacana   60

gaaaggcaca agcaggcaac aattttttc gaaaaaccac cccaccaaga gggggcatcg   120

gaaaccaacg cacacacccc accaaagaaa cccacccccca caaaggngga ccgggaggga   180

gngaagaaca ccaacccgcg gnncggggag cagaangacc accacagagc acgagaagng   240

agacnctacn gcggcccccca cacccgcgag aagaccccgg gaacaacgcg ggaaacaagc   300

aagngcccgg aaccaaccgc cccaaagcgg agaccataac cccgccggcc gaaccggaga   360

cggcaaacac acagccaacg gaaaggaggg accaaanaca cccgcaccaa gggaaggacg   420

cgcaccggac accgacccca aaaaagacg   449

<210>   30538
<211>   491
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30538

gttcgtagnc atgagattca aanctnnaaa aaagcnngaa anaaancaaa nncnagaggc   60

ggagaactct tttaactttt ggagccgaaa ccggggaggt gcaaatcaaa attgcaaatt   120

gtctctaaat caatttagcc actagtaaat cgattacatc ctctggtaaa tcgattacaa   180

gcggattctc tcatagttaa cgcttccaga atttcttcaa ctaaaaccaa agtatgggga   240

tctgagggct acaatantgg atttggtcat ccgtgtacac ctaactgaag tggttgaaga   300

atatagcccc tctaaggtaa cccccactat gttgcattgg acttatgctc ttcttgtgcg   360

tgtttataga agaaaaactt atttatattg tatccttgcc aagtgataac atttctttaa   420

acccatcctg ctactttctt aatgttcaga agcttatcct cagcagagat tgatctttaa   480

ccatctgaac g   491

<210>   30539
<211>   138
<212>   DNA
<213>   Glycine max

<400>   30539

agctcctttc cttttccac tcaggtgtcc aagtgtggga tggcataggg tggaatggtg   60

gacagcctca gtaactgcta ccatatcctc atctggcatc atgtaaagag atcctcgctt   120

ctttccacga gccacaat   138

<210>   30540
<211>   240
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30540

aagattaact tcattcatta tatgatgaat tttacgggac gtttaatatc catcctcatt   60

ggagcacaag ttgcacataa acaatggctg agaacatgag acatanatgt tannggtttt   120

agaaggaaat cctgtcatca nttccaagtt attgatattt taagttcttt attttanaat   180

tactctattt tataaatttt aagctaatta gaattgtata tatatgtgga caatacattc   240

<210>   30541
<211>   188
<212>   DNA
<213>   Glycine max

<400>   30541

tgtgaaactc tgtctgtcac atcattactt aatggacaaa tactaatggc aggtaccaaa   60

gccaaaaaat gagaaacgcc caatagagca ataaaataaa aaattaatat gtagcaatct   120

gaataagggg tatatcttag gtaagaaaaa gatatttaaa ccaattattt tatgaatatc   180

atcttaca   188

<210>   30542
<211>   376
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30542

gccttaaaaa gggtggnttt gcaccttctc gctattccta tattctggct tagcgagcgt   60

ccgctaagcg caccactcat gggctaagcg cgaggaaaac actagaaaaa gatgagttgg   120

acaggttctt tagcgcaccg cttatctact agtgcccact tcgtcatctg taacgagaaa   180

gctgcgtaaa gctgaatcga tttagaagaa gttgactaag atcagagctt tgctgttaga   240

ttttaaagag acaagtcaag ttcaagagtt tgaagatttt gtgctgaaat tgcggaccaa   300

ctgaacagag ccgttgngct gaatgattgg aggatggaat cctaaggagg tcatctacac   360

tgattntgat ctcatt   376

<210>   30543
<211>   110
<212>   DNA
<213>   Glycine max

<400>   30543

tgtctgccgg gcagacaacc acaaatcatg tttacaaatc attatgaatt atggcattcc   60

tcgaaagtag ccgtatgatg cgtaccacca agcgtcatag gcactatacc   110

<210>   30544
<211>   186
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30544

agcnttaacc aagangggat ggtccatttc aagtacttga aaagataaat gacaatgcga   60

acaagattgg attgcctagt gagtataatg tgagtactac atctaatgtg tttgacttaa   120

ctcttttttga tgtagatgga gaagccgatt tgagaacaaa tccttttgaa gagggagaga   180

gtgata   186

<210>   30545
<211>   437
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30545

nggcgattca gttgcaagtt ctacgnccac tatnaatact cagcctccat cattgagtta   60

agtccaccag gaggaatctg ttaacttggc ttgatcaaga ttaggctaaa ctatcatgag   120

gcaatcgggg ttaatatctt aggaaacaca ttaggacccc ttgaccttgg ttgaatgaaa   180

atattttta acttcaggcc cctataagga agccacgtgt ttctcacatc attctctccg   240

12739

tgattttctt ttgcacagat agttacacac ttgtcatatc atgctatctt acacaccgac   300

cctattgctg aatagcttac caatacacaa gtcctcagag ttcatactcg tcttaccgtt   360

atctactttg cgaccgggca cttgcgagca acatagccat cagctggtta ataagaaaat   420

gattttacaa attttgt   437

agggcgcgca agctttcatt ttcaatcngg agncgcncga nggggggcatg actcaatcgg   60

acatcctttg ataatgttat tgtcgtttga atttgctacg agctatcgtg gtaatttaga   120

gcatctagat atatttcggg acacaaacag acatcctggg ataaagacat tgtcgtttca   180

atttggtcag agc   193

attgttgttt ttttctttga tctacngnga cacnananan acncaagcgn ctagnctcaa   60

tngggagagt ctcgaggatg accgtttata antctgcatc cgagnaaaaa ganagggggg   120

cgngaataga cnaacagacc ccatcctcaa cngggagcgn cncgaaaaaa aacgggacgc   180

aaccggacga cccgggaana aaggggaccg gccccgcaan aggcgcacga gacacgcagg   240

cggacacaaa caggaacagc ncgcggacag ggaagaccgg aacacggaac agaccacccg   300

agacacaacg gcaaaggcgg aaggaaaaag gagacgaagg cacccagccg gcaaagagcg   360

gagcagaccc ggacangaaa acaggaccgc agaccggaca cgcagcgcga aaaaggacag   420

ggccaagcaa aganngcgca ggagcaggag cagcgcgaac ccacgccgac gagggccnag   480

acaaganggc aaggacgcaa gacccaccgg ccgaggacaa cagcgaacgc caccgcgcg   539

<211>   302
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30548

agctttgttc aaaaatcaaa agannnaact ctgcgagaag gttttcaagt tttgtaaaag   60

ttataactct ttccaatggt ttccattgac tagacatgaa gagtctataa aagcaagacc   120

ttgacttgca tttccataac tttttgactt aactttttaa caattcttta taacaacttt   180

tgagaaacct ttgctaactt attattcttc ttcttctttc tttgcaaaaa gctttcttaa   240

agtatttggg tttccaaacc ttgaaaacaa aaatgtggta ttcatctttt tctttctctt   300

ct   302

<210>   30549
<211>   345
<212>   DNA
<213>   Glycine max

<400>   30549

cagcatcatc tatggcgtca gttatcttgt caacattggt gaggttggga tcaaagtgca   60

cttttgtcta ctccaaagca agaacaacaa ttgctttttt cacgcctact accaatttga   120

agggcattcc caacagagtc agaacagctt gtgcatgcca ttcctttaat cctcactcgg   180

cacactggta tgtcctgctt atgaagctca tttactcgaa acccactctg ctctatgctg   240

tcttttatgt gttgcaccta caaaaagaat atcaccaata ctttggtcag tgtaaatatt   300

gaagtacacc aaagacttat atctattagt taatatacat aattg   345

<210>   30550
<211>   290
<212>   DNA
<213>   Glycine max

<400>   30550

gaagcacccg acgacgcata cgacccgggg acaagacaca gaggactttt tcccacaggc   60

cgccgggggg gcaaacaacg ccacccggag ccacccaacg acggagccag aggaccgacg   120

agacaggcga gaccaccaca gacggacccc ccgaaggaca aaaggggga cagaaccacc   180

gaagggcgca aacgaaccaa agaaaacaga ggcaaagcca aagccccgaa gaaggaacaa   240

gaaaacagca acggaaagga gagacccac acggccagaa aagcgccccc   290

<210>   30551
<211>   303
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30551

ggtaggncct gnangatcaa atgnaaacgg ggaaagagga agaaattctc tttccccgga   60

aaagcggggg tattaaactc tcactcccga tcctaacgta ggaataacat ggcgcccgtt   120

cctcacagtt gattatctag gagaaaaaat ttgctttctt aaactagcta aatatttcag   180

attccgaaga acatgcacat atctactaca tggttaacta attttattgt tatccgttaa   240

tccacaaatg gaactctgcg tcgaagcttt ttggtgctat cagctcaata ggacataatc   300

tca   303

<210>   30552
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30552

agggacgtct ctttgtanan caccggcaat ncagctcggc cccgggatcc tctagagcga   60

cctgcggcat gcaagtcgtc catcataccc gacccncgca ggggcgagga tgatganaca   120

catcttccga ttcaattgtt acatcagata acaatctatt tatatttaaa atcttgggtg   180

tatatagtcc agaactttgc taacttccga tagcccggag tattagcata gattgagatt   240

aagaattcgg agggatacgc tactgatcgt tttgatgatt gcactgaata tgtcgggcta   300

cttggcctga cgcatatagg gagccaaaaa agccgcgata ctctgcggca taagaaccct   360

tctctttatt ggcctccatt ccaccgaaca catggggaga tttccttcca tgtaaatact   420

g   421

<210>   30553
<211>   484
<212>   DNA
<213>   Glycine max

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gcatcnagng aaagtcccga nagatnntct nnnnntnaga nacnnaacnn cagagngaaa    60

caagatggaa gtggaaggac attaccttat ttgtccaacc acggacaaaa ccgagagggg   120

gcgcaactng gaancaacct atcaaacagc nccnganncc accaaacggt gttggatata   180

catactttat ctcaccctcg actccattta ggatggctga attattcagc gaacttgaat   240

attattcttc aacttcaccc tctgcataca tagcccccac ccttattcat gatgatgctc   300

acgactaaaa ccaagactac tatgtgccgt tatatgttaa tagagaacac aacgaccagg   360

acagttcctt cgtcgaatat ctctgttata tacgaataat gcgaccctga gcacaacccc   420

gaacttatat taggctcttc tgctgggtac ataaagagca aaaatgaata aacatattct   480

tatt                                                               484
```

```
aggagctatt cgtttgacac canccnnnnt ggaaacacgc gccgagatcc ttagaggcac    60

cagcaagcng cagctttttt tcatggcctc cnanggcgga gagcggggtc tatactcatc   120

ttcagctcga agcggcgtct cctctgtctc tttcttctcc attctgcagc cgttcatctc   180

ccagaagcaa aggaatccat tgatgaaaaa gatcctaggc ctacaagctc caatggagct   240

tacatcatgt ggcatcaaga tcatttttga ctacgtgatg ttcatttgcc tcctccatcc   300

ttttgttccg tgcattctct ataacaacgt gagcttcatc ttattctcca tgtatatcct   360

ccattgtcct gtgggcaagg agaaggttac aaaagactcc acaaagataa atcgattata   420

tctaaatcta cacttgtcta gcattac                                       447
```

<400> 30555

naatcttacg tcangngtan gtacnantnc nananttnag annacnntcc ngcgcccaga   60

gaaggagngc acggaggaaa ngcttanctt cnctanaata cngganagca annnncgaac   120

gacgggcgct gttggccaac acannaaagc accacacgaa gggcagcncc acccaagaag   180

gccnaacctc gccttganac gaaggaccca ganngcccct nncacctacg aaanancaac   240

tttttggtgg aagtgtgtga gggaacaacc tccccactga gtgtgatcca cgaggcgtcc   300

caaccagaca tactgtaggg gggggttaat atccatttat ttggaagggt aacttgacag   360

ggtgtgaggg tctatctgta ccgggagatc gatcttcccc cttacctttt tgnggggacc   420

gtgcaaggca cgacccacca ttgacttcgg cttatgtggg aacattgaat ggaaattctc   480

caagtgctct tagcttacgt tacccagaac catatcan   518

<210>   30556
<211>   332
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30556

catgattggt acatgatnta ggacttgtat gattcaatnt gngcaaaatt ggatgaagga   60

aagagtggtt ntcgaaatct gcactttatg cagaattttg ctgttggaat gtgcagcaga   120

attttgtata agtgcagaaa aatgcttgtg tatggatggt tgtgaaaagg gtagtacata   180

tggggttctg gacattttct aacagatccc aacggtcaaa atgtagactt atgtactaga   240

gacttccagt aaaatttttg agtcgatcca acggttaacg aactggaaca aagagaatgt   300

tactggggta attgaatgtg anaagctgtg at   332

<210>   30557
<211>   353
<212>   DNA
<213>   Glycine max

<400>   30557

agcttgtcta tttataatta tattgagaac aactgaggag tgttgtgttt tgtacaattc   60

atacataaag tatgtgttaa tagacttctt ggattgtgcc tgaatgaaga ggaaaatgcc   120

ctgaccgact cttcagagtc tacgtcttgg ggataaatac acccggtttg agtacttctt   180

```
tatgcttgaa ccaatcccac atgattggag cattctactc aaacaacgtg accctaacta   240

gtctccctat gattttacct agtgagtgac ctaccctacc actgtgtgga ttgttatggc   300

atgcactcct tggcacccga cgatgtcttt actaacatgg taccacattg cat          353
```

```
<210>      30558
<211>      355
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30558
```

```
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tgttcttcaa ttgattntgt tcatcaaatc ttttttttttc tttttttgct ttttatcata   120

gtccaactcc ttcacaaata tcacccactt tagcaccgac atctcattga attcccactg   180

ctgacctctc caacctcttg tgtcccttaa tggcatccgt attcactcct ccctcgaagt   240

ctcttgctct ttctcctttt ccatcattgg ttggatcttt catgaagcta gtgcgatgga   300

ttgnggaggg gaggagagtg tgatatagat gaccattgtc atatctaatt tggag        355
```

```
<210>      30559
<211>      218
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30559
```

```
ttattgatat cttntatagc gagcacggat tcttggatag acattaatgg ggatcaaagt    60

ttgaatacat ggagaaatat gcattcttgc ggtgaaacta ctccacacct atgtcacaaa   120

actttatctt atgagatcgc tctcctataa ctacgatgaa ggaatcaatg attattctca   180

tttgactttt atcgtaaggc ttaacttttta tatatata                          218
```

```
<210>      30560
<211>      130
<212>      DNA
<213>      Glycine max

<400>      30560
```

```
tgtcatccaa accaccttat cccttgaggt tcctcaaaat gtttatgtat atagtgtgtg    60
```

gaaggtcaaa tggaaggttc tccatcaagt gaaacaacac aaacttatgg aggtcagaaa   120

atgttgatgt   130

<210>   30561
<211>   187
<212>   DNA
<213>   Glycine max

<400>   30561

taccacttgc acggtgctgg aactacttca catggacttg atggggccta tgcaagttga   60

aagcctagga ggaaagacgt atgcctatgt tgttgcggat gaattctcca gatttacctg   120

tgtcaactat atcagagata aatcatactc ctttgaagtt tcctggagct gatctacaac   180

ttcatag   187

<210>   30562
<211>   383
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30562

agctttaact ttattttttca taagcacttt gtgcttgtac attccaccgc aacgcaccct   60

tcttcaaaca ttcggtcata ggacttgcta tagagctaaa attctggata aagcgtcgat   120

aaaatgatgc aagaccaatg aaagatctca cctccgaaac tgttgtacgg ctcggccaag   180

tcttgatagc atccactttt gcntgatcaa cggatactcc atctttagac accacatatn   240

caagaaacac caccctttca accaagatat cacacttttc ccttctccca tagagttgtt   300

gtgctcttac ggtctcaaat atttgtttca aatgagtgaa atgctcctct atagattngc   360

tatacaccac tatgtcgtca aga   383

<210>   30563
<211>   252
<212>   DNA
<213>   Glycine max

<400>   30563

ttagatatat gtttatgata atacatgttt actctttttt tcttagcata taacgatact   60

```
caataagtga cgttgaagat gttatagtat agctctgata tgatattgca aattattcga   120

gtcgatgtat atatatatgg gttgtgtctt gtaaacattg ctatgacatg ataatatgat   180

atatgacaat cagtgaagta aacagtgata tgtgagctat gaactgtgta gtcacattcc   240

ttggaaaatc tt                                                       252
```

<210>   30564
<211>   208
<212>   DNA
<213>   Glycine max

<400>   30564

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ttatcaagta acacaagttg agttttattc acaacattac agtatatctc tcttatctta    60

ctgagagtga ttctcctata ttcttgagtg attcaagaac accttggctg tatcaaagga   120

cttcacaac tctttgtgtg tagtcctcgc tggaaagagt gattcattgc ttcctttcat   180

catcaccact tgtctttcaa accacaat                                      208
```

<210>   30565
<211>   303
<212>   DNA
<213>   Glycine max

<400>   30565

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ttgctagaga cagtgtcaat gctatgtata tggtttcttt ctttgtggca ccaaaggctt    60

actcatatca gtgagaatgg gctgaattgt ttagccaaga aggatatgct tctacgattg   120

aagaatgcaa atttagagaa atagtctcat tgcatggttg gtaagaaaac caaagtatcc   180

ttcaagaaga atcctccctc cagaaaatct gagttgcttg aatcggtgca ttcagatgta   240

tgtgaccctt tgaaggtgaa atcctttagt ggtgcacttt attcttgtac cttcattgat   300

gac                                                                303
```

<210>   30566
<211>   365
<212>   DNA
<213>   Glycine max

<400>   30566

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gacccgggat cttatgtcgc cgcagctgtt acttacattg accctgcacg tgctggaact    60
```

ctttaatggc ttgatggcct atgcaattga agccttgagg aaagagttgc cttgttgtgc   120

ggatgattct ccaataacct ggtcaactta tctagaaaat cagacccttg aagtttcagg   180

actggtctaa acttcaagaa aaaaactgtg tcatcagaga tcatgagtgc catggctaga   240

gttgaaaaca caattactga atttgccatt gaagcatact catgagttct gcgtatacac   300

acacaaatgg ctattgaagg aaacagactt gcagagctgt aggcatgctt atgcaagact   360

                                                                    365
tcctt

<210>   30567
<211>   323
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30567

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gtaagcccaa gggcaaggga ggcttgngct ttaaagaatc cataaatntc aatttagcct   120

tcttgatgaa gagcgggtgg agcttatgtt cgaatangat gcgttgtggg tcagaataat   180

cagagaaaag tatcactgtg gagaatcttt gatcccagat attgattgta ataggtttga   240

gactaatttc tggtggggcc tttgtaaaac ctggcctgag gtacagaaaa acctttgctg   300

                                                                    323
aaatatttgg gatgggaaca atg

<210>   30568
<211>   303
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30568

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tcacagcatg ggagaattta acacactntc ctctgacaaa caccttntga tactcatcac   120

tttttctgtt agatatgtca gagggaatgt tgacaatgaa ttccctgact aagccttcat   180

agcaatctcc caacttgctg acagtcttca gcagtccagc agccttgatg aggtccatga   240

tctccttgca atccaatgca gctctttcca gttctctttc caaggccagt cttcgttgat   300

                                                                    303
aca

12748

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<210>      30569
<211>      276
<212>      DNA
<213>      Glycine max

<400>      30569

tgtctcagtg gttatgcgag accgagacca acatgttagc tcttatcagc aagtaccaag      60

aagaattaaa tctagccacg gcccacgagc acaaagtggc ggacgaatat gcccgagttt     120

ggttttttag gaaaaacgcc ataactaagc gcaccccaag gcatccttat cgcaccagat     180

ccaaatctag gacgatgggt gaccaagagg aagtacagga acagatgaaa gccgacatgt     240

cggcttatat agagcaaatg tcttccatga tggatg                                276


<210>      30570
<211>      309
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30570

aaaaanncga cccggtcctt aagtgacgcg gctgcacttt attctctctg aagactgata      60

ctgcttttaa gcatatatat actccaatgg tccatcgcct actgctaaat gtcaaaaaga     120

ggcaaccttt aaattaccca cggggaagat ttggggccaa tagctcctcc tggtgaagaa     180

atgatcccat gatgaacact tgcaggtctc ttgaaacata gtattgcgcc actccgcctt     240

gttgcggaaa ataggaggtg aaaagaatca tacttctcca ggcatgccaa atcggcacag     300

gcaaagaga                                                               309


<210>      30571
<211>      268
<212>      DNA
<213>      Glycine max

<400>      30571

ttacgtgtat gattctcttc atagagtttg ccctcgaaa ttgttatgag gaggcctgta       60

tatattaatt gatgcttagt taattaagac tatatcgaat agttgttacc gtgataatat     120

cattgcataa ttttgatttc tattcttcca atacaaaatg gaaggttgag catggattat     180

tttaaaacat tgtcaagtag gattgcagca atctcaatta tattattgtc atatgaaaag     240
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acattgagac atgggaaaaa ttttatgc   268

<210>   30572
<211>   335
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30572

aacctgtact gtgagagcaa gcgcgagagc tcgacgacaa ccatgactac acggtgtaaa   60

cttgaaggga gggggcagtg ccatgtggcg accggtatgc gaaaagtgaa gtggaggtct   120

caagatgaaa gaaagtggaa actaagtggg gcggaagtta actanacgca atacaatatt   180

taaactacac atataatagt aactttttaa tgaaaaaata ttatntaggg tatttgctta   240

atctacttta tcgtgaaaga aagtatgcaa catattatca aagttttaat ctagtgccgt   300

aaaatactta ggcttttcta aacactataa aaaac   335

<210>   30573
<211>   399
<212>   DNA
<213>   Glycine max

<400>   30573

atgggtaccc atcagatgtg gtactaggtg gttgtttgtc gatggtgcaa aacaattctc   60

cacatgcaca aatcacgtat aaacccacca tcccctgttg cccacctcaa ctgagctcat   120

gtactcccac gtagccctta tcctcgttcc tctcaacgcc gggtccccat caatcctccc   180

aagcttccac aacatccaag taattcaaca tccaagcctc atgaactaac acagccaaga   240

aaatagggca gaggcagaaa actctgccca aaacacaaac cgacatcaca gcttttcaca   300

ctcaaatact ccagtaatat tctcttcgtt ccaattcgtt aaccgttgga tcgactctaa   360

aattttactg gaagtctcta gcacataaaa ctacattat   399

<210>   30574
<211>   296
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30574

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tggtgcacaa cacgttttcc acatccacaa atcgcgcata aacccaccat ccccttgttc    60

ccacctgcaa ctgagctcac gtactcccac gtagcccata tcctcgtttc tctcaacacc   120

gggtccccat caatcctccc aatctttccc caacatccaa gtgactcaac attcaaacaa   180

cacataccat cacagccaag aaaacanggg aaaggcagat aattctgccc aaacaccaac   240

caaaatcaca gcttatctca cttaaaggcc tcagtaacaa nntccttcgt ccaatt       296


<210>      30575
<211>      338
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30575

cctccacggg gtataatgat atcagcgtac ttcttggtgg gaagaataaa gtcatcanaa    60

gctggcttca caaatntaga atactgcatc aagtatatat tataagagac agttactaat   120

atacgggtaa caaaaaaagg gaattactaa tattggtaga cataaaaaaa acgaaatatg   180

ttagcttgat ttataatcat aacctcaaaa cagatcattg aagatntaat ntcatanaga   240

ctgacttctt tacatgtttc taatcaatga aagttcataa cagcctctca gcaacatgaa   300

ctataacaac atttccaagt cttgaaatgc agtacatg                          338


<210>      30576
<211>      186
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30576

gcattcaccc cttccncatt ntcttgacaa accataaata attnttttat agtcgtaacc    60

ttattgtatt gcaacttaac agcacacaac aatcacttga taaataagtg gcttcagctc   120

ctatntctta gtttttntaa ttaccataac ccacagttga caataatgct aaagcacaat   180

accata                                                             186


<210>      30577
<211>      522
<212>      DNA
<213>      Glycine max
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<223>   unsure at all n locations
<400>   30577

caaaaacggg tggtaagacg tcngcacagc acatcnggga attnagctcg gacccgggat   60

cctctgagtc gacctgcggc atgcaagctt tattgtctga taacgacaaa gagtacactt   120

catcataatt caccatgttt tgtgaggaag cangcattga gcatcaatta acaactcctt   180

acacccctca acaaatgggg gttagtgaaa gaaaaaattg aaagataatg gaaatggtca   240

gatgtatgct tcatgagaaa gggttaccta acgaatatta ngcagaagct gcgaacactg   300

cagtattctt gctaaatcga cttcccacca aagcagtaaa tatgaagact cctttttaaga 360

cttggtatgg ttataaacct tccttgaana atttaaagta tttggatgct tgtgttttac   420

ttatgtgcca cagattaaga gagacaagct agacaagaaa gctgaacatg gtatctttgt   480

gggatatagt tcagtatcta aagcttatag aagtttccaa cn   522

<210>   30578
<211>   311
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30578

ccttcctggc ttgttgtgtt cataatagga ttccttctct tgatggttgc ttttgttaag   60

gacatagact ttcagagttt ctttgcctaa ggatgtgtga tgcttcacat ttccattgca   120

gtgtggagat tcttctttga gaggaagctt gnggatcttg cacatgaatg gcctangcat   180

gttgttgggg acatagcatt ggcaatatca tgggtctttt ttcttgtgta cacatggaga   240

gagaaatatg attagttaat ntactttata attgtgtaag tttttttgtgc ttgtggttgt   300

agaaacaaca t   311

<210>   30579
<211>   389
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30579

tagctttgat gtgtgcgtac ccaccatctt ttcatagtag agtatcgata atgtgtctac   60

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catcacgatt atcgtctccc tttccatcat tgggggtacc acttgggccg ccagatccgt    120

ccacctttg ggcgtgttct ttgaaagatc cgtccccctt tgtgcacatg ttctgtagtt    180

gcatcatatc cggaaccata tcacaattgt actgatactg gctaacaaag gcaaccatta    240

agtccttcca agactggact cgggaaggat ccaagttagc gtaccangta acagctaccc    300

cagtaagact ttcttggaag gaatgtatca gacattcctc atcttttgcg tattcccgca    360

tcttctgaca atacatcttt agatgggtc                                      389
```

```
<210>    30580
<211>    415
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30580
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agcacggctg ggnnacatga tatatgtcan gggtttgggt ttattttaaa gggaataaaa     60

ngggaattg tatcatgaga aatgtctgcg gggggtnntg aacccatnng cgggcgccga    120

agttgacagc gtgggcattc tccctcctta cnntctttgc accagttgct tccaattctt    180

tttagcattt tggcacttgt ggagggaaaa cgtaatcgaa cttccctctt ttcaaccata    240

cttcaattct ttcctcggcg aatacttggt ccgcgaagct ggacggcatg taacctacca    300

acttctcata gtaaaacact ggcaaggtgt ctaccatcat cgtgatcatc tccctttcga    360

ccatgggagg ggccacttgt gctaccaggt cactccatcg ctgtgcgtat tcttt        415
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<210>    30581
<211>    416
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30581
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gatattaaaa attgactata atcagttgag tggcagtaca ncgaaattat acaccaatta     60

ttacaagcca aagtctctga acatttttg ttgcttcttt ttcatcattt catgatattg    120

gatcaaaatg gtcccccact tcaatatttt caattcgaga ttgactcttc tcatttatag    180

caaaagatcc aacatgacac ttttgctttc acgtacgaaa agcgaaatgc tgatggcctc    240

tatcataaat acacactact ctatacaaac aatgtgtaaa acttcacctt agattttcat    300
```

gtaactatgc caaaatattg caccgcgcaa aaacttataa cgtttccatt tcataacata   360

tgtcaggact accgagacca tcatacaact tctattttcc acaaatgcaa tattga   416

<210>   30582
<211>   332
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30582

ntattcaaga caaagcaatt aaagatattc aagatggatg atctagacaa tctctagagt   60

cttagaaagg gtatattaaa taggaaggga attccaattg aagtagcaaa tttggcctgc   120

ataacatatt attatgtaac atttagtgca tgtcaacatt ntcaagtgtt aataacagaa   180

aattaaatac aactccctgt taagtcgact taccaaaatg tcatcccata ctangtcctt   240

tagagattct gacacatctt ttcaatttct atgtagcata ggaatctttt ctcgaactac   300

gacccccaaa tagttgtgga acttttattt tt   332

<210>   30583
<211>   392
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30583

tatcttgtat gtcttggatc ttcttcatca atgaattcct ttgcttcttg aggtttgatt   60

gcagcgaagt ggagaaggag aaagatgaat ggagatgcca cttcaagtag aagatgagtc   120

tagaagaagt tcaccaccat aggaagccat ggataagagc ttgaaggtag aagaagatga   180

atgaagggag aggaagagaa gagcatgaaa tttagtgcct cttaagaaga ctgaactttg   240

aagtttaatt ctcatatgat caaagttgaa aaaatgcaca cacaagacct ctatttatag   300

cctaagtgtc acacaaaatt ggagggaaat ttgaatttct attcanattt cactcgaatn   360

tgtggagcca anatatcact aattatgatt ag   392

<210>   30584
<211>   417
<212>   DNA
<213>   Glycine max

12754

<223>   unsure at all n locations
<400>   30584

tcatgatgaa tcaagagtga ttcanagatg ttttgatgat atctaagatg ataacaaaag   60

atgatgacaa aggtgatgac aaaaagctca aaggtcaatt aaagaatgag ttcaagatat   120

tcaagataga atcaagaaca cttcaagatt caagaggaaa gttgatttca agaatcaaga   180

gatcaagatt tcaagaatca agatttaagt gatcaagatt caagactcaa gattcaagaa   240

tcaagagaag acttactcaa gataagtatg aaaaggtttt tctcaaaaat tgagtagcac   300

atgcattttt ctcaaaacat gtttaccaaa gagttttact ctctggtaat cgattactag   360

attgttgtat ccgataccag tagcaaaatg gttttgaaaa aaaaatcaaa tgaatta   417

<210>   30585
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30585

agcttgtcat attatctctt caccaacctt tgttcccacg atggattcat atcatcttca   60

tatgactgga tgaatcttgt aatatttgga ttaacaacat taaaattctg acacagaaat   120

acacaaattg agaaatgaga tgattatgca ggaaggcaaa acttttttcc caataataat   180

aaagaaattc atattcacaa tagaagctta aaaaatatct taagtagggt aaaaaatnta   240

ctcatgttca caatactttc aatagagtta aacatctagc atatgataga agctcatttg   300

ctattgctag gaaaaggctt atctcattat ggcgaggcaa caagctccag gaatataaga   360

aaaggaaata aactctcacc agttttagct tacatanngg gaacataaaa gcttacat   418

<210>   30586
<211>   307
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30586

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caaaagatta ataggcctaa ctatctaaaa acagtcccca gtggagttgc caattgtcac   120

aacctaccct ttggcgggtg atgtaagctc cattggagct tgtaggccta ggatcttctt   180

cattaatgga ttccttcgct tcttggaaga tgaatggcag cgaaatggag aaggaataga   240

gagaggagat gccacttcac tgaaaagatg agtctacaag aacctcacca ccatangagg   300

caatgga   307

<210>   30587
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30587

tttagatcag aacttctaaa tttagggtct ttggaatccg dacgcgaaca caaatatatg   60

caagtaacca tagatattta agaataatat ttgttaaaat acattntctt aatcgataat   120

aaataaataa atatatttt taacatatat ttatatttaa aatgaataat ttgaaaatat   180

atatattcat actaaaaatt aattaaacca acttatttat atataattag agacatttgt   240

ttatgcaggt atccgttaaa ctgttcaaat ccaatataaa caggatntat ccattntact   300

caaccaacat gcatcctagt tctggtcatg cagcggtttg cctgagtcca gtctaaaaca   360

aaagtcatgt gattnttcat ttat   384

<210>   30588
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30588

ttgcacatta nactccacat ttatctctat agaaaaaaat atattaatac ggaaccctag   60

ctactttaa aaagacgcaa caagggaatg tttntctctt ctgttcttta caaatagcta   120

ggataatgat ttttgtacaa ttattctgtg tataacagtt cctttgattt ttgtgaaata   180

ttttttgat atacatgttt atgaaaaaat aaaatttaag tgagaaataa aaaaaaaatc   240

atatatgata atgagatagg atcgaagtnt anaatttgat gaaaccttaa ccgcagtgtt   300

agtagtaaaa agaatcttta cacatgcaac aaanagtcgc taactgctaa taaatatatc   360

gatggtgaca agacatagag tacangcttt ggggttgtta gttaaaacat gcttcacatg   420

acgtagtaat tacaaaaa   438

<210>   30589
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30589

caagctgngg tctanntcta aggattgagc atggcatagg aagggtttag tatgttgaat   60

ggtangaaaa tttgataatg atcacctcca cagactctnt gacgctcaac tttggaataa   120

gagaaataaa ataaaaagtg aagattaaga agttcatata taaagggtaa tacatctcta   180

tatagtgatg attttggcgg aaaaaatatt atgtactctg agagcatgtg acctacgaag   240

cttattaata aggaggaaat ccatgcaatc tttgtgatat agagtagaaa gtacatttaa   300

gaatgtgttg ctgaacttgc tcataattga atgtagagtt aacaattcag gtgacaagta   360

taccaagtaa tgacattatc tatctggatt ctggagaatg aatatgagca tg   412

<210>   30590
<211>   279
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30590

tagganaatg atcttagagg atttatatat gagcaacttg tgtactccac cctgggctgc   60

caagatgtat caggatctca cgacaatgtt ttggtgacca aacatgaaga gagaggctag   120

tgagtttgtg tatgtgtgta tagtatgtca gatcgctaac atagaacatc tgagaccctc   180

atgtaagttg caacactttg agatacccag aggaagtgga atatttttca ttgatttcat   240

tgttgactac ctaggacccc caaggtttcg atctatcta   279

<210>   30591
<211>   270
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30591

acttccctca cgtactgtct cgtgggggggt atgaactgct tgacaagaaa cttatggagg   60

agaagagcaa gcgtggacat gaggaacatt cgtgtactga aagcccaaca ctcaacgtcg   120

acccaccatc cccagttgca agacacttga agtggaagat cgcccgcact aagcggcatg   180

gccaaatgac gtctgaagtg gcacaagaaa ttgtagacan aatggtcagg tcatatattt   240

                                                                     270
ttttggttac tgtcattggc anataatggt

<210>   30592
<211>   401
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30592

gcttgtgatt atcatgtaga ggattcatca naaggagttg accacgaaca acactataag   60

attcattcaa ccccatgaga aattgcatca acttgcgtct tttgttgttt gcttcacatg   120

tgcaaatagc atcattatag gatcctaact catcccacaa ttttttttta actttgtata   180

gtatgcagca actatcattt gatcttaagt aaggcaagca atctctctct cgatctggaa   240

aatgagtggt gcgttgcttt gaaagaaaca attttgaaga tcttcccaaa cttcatgagc   300

agtgtaaana aaaataacac tatctgtaat atcaggggtc attgaattaa gaatcccatg   360

                                                                     401
acaaaccata tcattgcatt nttcatgcta catagtcttc t

<210>   30593
<211>   331
<212>   DNA
<213>   Glycine max

<400>   30593

tgatgggtac catgaggtgt ttttgtgttt gacccacgcg ggtgttgaag agacggcatg   60

ggcatctcct tccttccttt ttgcccctgt tgccccgatt cttttggcgt tcacgtttgt   120

ggaggaaacg taatcaaact ttcctctctt caatccaacc tcgattcttt ccccggcaaa   180

caccagatcc gcgaaactgg acggcatgta acccagtatc ttctcatagt aaaacactgg   240

cagagtgtct accatcatgg tgaacatctc tctctcaacc atggaggagc tacctgtgcc   300

                                                                     331
gccaatccct ccatcgctgc gcatattctt t

<210>   30594
<211>   426

<210>   30594
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30594

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ctaccacatg gctacttggc ttanagaatt cttcgccaat tttgagctca gacacattat   120

aagagaaaac aatgagagcc aacttgttgt taaaactcgc cagtacaaag aagaaaggtt   180

aatacataat agttatcaag gaaacaatct tggaactagg cttggacaag gtggtagcga   240

gtgtaactct catttattga gcgtggataa ttgagattta cgacttcctg gaaataactc   300

actctcgaat aatctagtag cgacaagaaa gattaagaga aatgccagtt attatgtgat   360

agcgggagga tacctataca aaagacgctn tacaacctct ctgttgaaat gctaagtcgg   420

gatcat   426

<210>   30595
<211>   213
<212>   DNA
<213>   Glycine max

<400>   30595

ttaccatcta tcccagccct ctccaagaat aacttgtcat gtaaagaaag cggtcctata   60

caccaaatgt ttgttaccac tctctcagac cctattacat acatcttata cgactgctga   120

aaagtgatca ccaatatccc tgcatgcaaa tttccccagc tttgaattgt tcaacggagt   180

gcatccaaac ctgtcagtcc tgactcattg ccc   213

<210>   30596
<211>   503
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30596

agaacgaagg ggggtggaac gtacgcagca tgcgnncata nagnncgncc ngggatnntt   60

nagtcacctg cggcatgcaa gctttcttta ttgcgtcacg tntannaccg agctcgatgg   120

tggtgcgagc ctttgatggt actcngcggg aagtgatggg ggaaatcgat attcccattc   180

agatacgccc ccacacttgc catgtggtgt ttcaagtaat ggatataaat tccgcctata   240

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agctgctctt gagaagacct tggattcatg cnctgngagt ggtcccttca acgctttacc    300

agaaattaaa gttcgcagtg ggtggacttt tagtgatagt gtcnggtgaa gacgatatgt    360

tagtgagctt ccactcctcc tcaccgtaca tagacgtggc ggagaaatca ttgaaccggc    420

ttcttatcct ttgnggggtg agctgtgcct cngtggaacc agtccgtcct acctttctct    480

ccacgccgca taatggtgca ccg                                           503
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<210>   30597
<211>   136
<212>   DNA
<213>   Glycine max

<400>   30597

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aaaagctgca tctacagcgt agaagtcacc tgcagttatg ttagctagca catccatttc     60

tagtctgtat cttgttgttc atcaactagc atgcagtcct gaaatattat agaaatgaca    120

tatcttatgg aagaaa                                                   136
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<210>   30598
<211>   316
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30598

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atccctccaa tagctaagtt cacacctatg ccaaaataca tgaaaataca atgggaagca    120

aggaaggtag cttccttggg aagcaaggaa gaaagcttcc ttgagaagct agaggggggg    180

cggtggctac tcacacccgc tcaatagtta tgctcacccc catgccaaaa tacatgataa    240

tacaanaaaa taaaagtccc tactacaaag actactcaaa atgccctaaa atataaggct    300

aaaaccctat actact                                                  316
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<210>   30599
<211>   503
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30599
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aagcgtttca taccanngct tgcacnnncn nnnannaaga ancngggatc cttanagtcg  60

agctgatagc tgcagcttgt atttgttttc ttttaatgtg actatgaggc aggcgcgtct  120

ttgagaacca atccatcgac ctctccatct caaaactcaa taagatataa gctccacaca  180

tctcagctca aacccaataa atggagctag tatgatagat agaacggctt gctataaact  240

gcctgccaca caagtaatcg acattataga tgggaaatct gtgacaactt ctttctgtca  300

gagcaattgg agaccactta attgaaccca ctgtatgcta tcgccactac attaactttt  360

ttctaaggat caagtatagg tataaatata tatgtattaa ctttatgata actaagtttc  420

atccacacaa ccagcttggt caacctttag tgaaaatatc cttctcaact atgtatttta  480

tatctatata accaaaccac aag                                         503


<210>      30600
<211>      379
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30600

cactatanaa atactcccaa gcttgtaggg attanntggg gtacccatca caatgtggta  60

ctagtgtggt ctgtcgggcg aatggtgcaa aacgattctc cacatccata aatcacgtac  120

aaacccacca tcccctgttg cccacctcca attgagctca cgtactccca cgtagccctt  180

atcctcgttc atctcaacgc cgagtcccca tcaatcctcc caagctccca caacatccaa  240

ttaattccac atccaatcat catggactaa caaaaccaag caaaacaagg caaaggcaga  300

aaactctgcc caaaacacaa cccanaatca cagctttttca catacaaata ccccagtaac  360

atttccttcg ttcgaattc                                              379


<210>      30601
<211>      409
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30601

catgtttgct ttgcttctgt gatgatgtgg caggagcaat ttctgatggt tttaaaacaa  60

cagcattacc agctgcaata gctccaacga ctggatcaag tgacaacact ggaaagatag  120


12761

acagagaatg taatatagat nttgcagaga ttggaggaaa gaaaaaggtg agatgtcagc 180

tcaaaagtat gtgacacaat accaactaca tattaacata cagaatgggt agttccatgc 240

agagatgact aacacaaccc ccagtggttc agatactatt tcagctgaag atggaaatag 300

tgcgattgaa gtcttgacct gcaataaaag ggaaattcat gtgataaatc ataagtacca 360

aacaatgtca gcaatgaaat tcacataatg tatanccttt caggagtca 409


<210>      30602
<211>      318
<212>      DNA
<213>      Glycine max

<400>      30602

caacatatat atgttcatcc attctaagct atcctttttt ttttacatat gttgtaccag 60

gcctcccatc cctctaaaag tgaccctaat tctcatttta atactaatgt tgccccataa 120

ggaaatgcca aatatgtttc ccagagataa aagaaacatg tctctcaaag ttctttgtat 180

ttctatatat ggccatattc tctaaatata ttaatagatt atttactgag agaactcaag 240

attcctagtt taaaaaagaa gtcacaccat tagccctctg ttttattctt ctctatgatg 300

tcgtttggat tcttctct 318


<210>      30603
<211>      419
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30603

agctntgagc ttattcttac gacaataact nttgattcgg atgtccgatt gtgtcccgta 60

ttatatcgag atgctcgtaa ttgaaaatag aagctctgag caaattcaaa cgacaataac 120

ttttgactcg ggtgtccgat tgtgtcccgt agtatatcga gacgctcgaa attgaaaaca 180

gaagcactga gcaaattcaa acgacaataa cttttttactc ggatgaccga ttgagtcccg 240

taatatatcg agacgctcgt aattgaaaac agaagctctg agcaaattca aacgacaata 300

acttttgact cggatgtccg attgagtccc gtaatatatc gagacgctcg caattgtaaa 360

cagaagctct gagcaaattc acacgacaat tactttctac tcggatgtcc gattgagtc 419

<210> 30604
<211> 419
<212> DNA
<213> Glycine max

<400> 30604

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gacacataga aactcaagct gttcttgatt tttctaagtt ctttaacaag cttagatcaa    60

tatacttgtc cttcatttaa ttgtctttgg gcttggcggc ctcgatcaac aaagtacttt   120

cggcacctac tatatgttga cttgaccaac gctcttatcg gtatgctgcg acaatccttc   180

aacaccttat tcacacattc tgagaggttg gttgtcatgt gaccatatct tcgtccagat   240

gtatcataag ccatggctcc attttccttt gaaatgcgat caatccatgt cgctatggct   300

ggactcaatt gacaaaattt ttctaagttt tgatcaaaca catgcttgca aagagtgtac   360

gctacatcac aattgttacc atcaaaagtt gaggtagata tgaaactcaa ataacttca    419
```

<210> 30605
<211> 423
<212> DNA
<213> Glycine max

<400> 30605

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ttcttgctca tttgtttaat aaacttaaga tcaatagtta ttataaaaaa ttctatcaat    60

aaaattctca catcacacta aaaatcaaat ttgcatcctt ataaaatatg atttctatcc   120

ttataagtgg actcacacct ttgttggtta tctcatactc taaatatgta tatgtattgg   180

ttctgtcatc aacaataacc ctttgcaatg tcaagtaaga ttgtttctac taaaaaaata   240

tgtgatatgt ggcatagtaa taaaacatat tgattaatga agatcattat aaatttagta   300

taaactgata ctggaaatga ttacaagcgt gggaagagaa aaagagtgat gaggtagtgc   360

ttctgcaata atttaccaac aggagcagtt ggcagtagtt agtgcgtctt ttaaatgata   420

cat                                                                 423
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<210> 30606
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30606

12763

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tatcctctac gacaatcaac tcggcggcaa aattcccggc tctatcggga accttaagag    60

ccttcaagtg ataagagcag gtggaaacaa gaacctggaa ggccttttac cacaagaaat   120

tggcaattgt tccagtttgg tcatgttggg tcttgctgaa actagccttt caggttctct   180

acctccaact cttggcctct tgaaaaacct tgaaaccatt gccatttaca cttccctact   240

ctcaggtgaa ataccacctg aacttgngta ctgcacaagg cttccaaaca tatatcttta   300

cgagaactcc ctcactggat ccataccaag caagttggg                          339
```

<210>   30607
<211>   424
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30607

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agcttgaact tgctgtattt tctacttttc tagtgatttc atatgagaca ttgtgttcat    60

tctgtttttat ctgaatataa tttagtatat acacaaatat tgattttgat atgctaatga   120

gatatgctat ttgcatattt agaatccata tggcagtttc cttgacgagg actataactg   180

aaagccaaaa cgtgtttccc atgtctatct gtcttgcaag gcggatttct gatcatggag   240

cttcaagggt agggatactg cttcttaaac gttgattcaa ttattattcc ttactccttg   300

gtgtaaaata ccttatatcn taataaattt tatgctggtt tatactttat gtnttaactt   360

gtcaaaacaa aagcaaaccg ccatgtatcg aattggtcgg gatttcatct tccgaaactc   420

ccct                                                                 424
```

<210>   30608
<211>   502
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30608

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ggggnnnnnn nnnnttggga cagtcagact cngcaatcac tcgaccgggg tctctgagtc    60

acctgaggca tgcaagctct ntgtataatc tttcttggaa agctagagct agctacacac   120

acccctctaa taactaagct cacctncttg agaagcntnc ttgagaagat tcctagagaa   180

gctagagctt aactacacac acctctctaa tagctaagct cacctncttg acatgagaag   240
```

```
ctagagctta gctacatacc cnctataata actaagtnta accccatgcc aaaatacatg   300

anaatataan aaaagtccct nactacaaga ctactcanaa tgccctgaaa tacaagacta   360

anaccctata ctactagaan tggcaaaata cannggccan aaaanggana acctattcta   420

tatttataaa gngagtgacc caaccttgct catgggctag aatctacctg tgtcatgaga   480

cccagggcct cttagcactc tn                                            502
```

<210>   30609
<211>   387
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30609

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aatactagct taggttttcc tgctttttta ttctnctacc tcttttcttt cttcccttag    60

aaacctttct taagtttaaa atcctgcgac tacgcgctaa gcgcgtaagc tagctaagcg   120

acccatgtgc gctaagcacc ttttcacttg actgcaggtg ctctatgctg cttcttcgcc   180

ctgagcggac accctcccac taagcaacaa tagctcgcta agcaagtccg acgcactaaa   240

cacaaaccat catgcttcaa cttctctctt tatcccttgc ttggatatct acaaaataaa   300

atcatcaaac agtttgaatt aacgatttaa ggtacctact gcgcaaatac ttcgaggata   360

ttaaaattat aatgattcac acaaaaa                                       387
```

<210>   30610
<211>   154
<212>   DNA
<213>   Glycine max

<400>   30610

```
tctggtggga catcttgact tgctttctaa tctgacattc atttcagatt ctgccttctt    60

ctatgttcag attgggaatg cctctagcag cacctttgtc gatgattttc ttcatgcctc   120

ttaagtgcag atgtgcaaat ctttgatgcc atat                               154
```

<210>   30611
<211>   398
<212>   DNA
<213>   Glycine max
```

<400>   30611

catgtntgtc atcatcaaaa atgcggagaa tgtgaatgta ttttgatgat gtcaaaagaa   60

gaatcaaacc aggctcattn tgcttcaaat taatacaaga ttgttcaaca aacanagcct   120

tgattcaaga tttcttcaag atcaagtcgc gcctcacaat gaaagggttc aagtcattca   180

aggcacatgt aatcgattac caatggtttg aaagtgtgtg atcnattaca catcatantg   240

tatcgactac tacagactct gaatgtggga attcannatt taatgaaggg cataactgtt   300

cangaaaata actgtcgtat tattcacta anntctgtat cgatttcaga gaggatntca   360

cggatatcgc cacagcacat ctatcattcg attttgag   398

<210>   30612
<211>   242
<212>   DNA
<213>   Glycine max

<400>   30612

atgacttgat attgactttt cgggaatgca cagacatctc acattcatca aactggtcca   60

gtgaaggatg tttgggaaca gttgccggtc tctcataatg agccgatgat gttcatcatc   120

ttggctgacc ggttgcgcac tgctggggat aatgtgaaaa ttacccaccc ttgtctaagt   180

ccactctttg tcaccggcta atggttatac atggacattt tcttgcccac tttgacagtc   240

tc   242

<210>   30613
<211>   241
<212>   DNA
<213>   Glycine max

<400>   30613

tatgcagtta ttccccccaa ccacaagaaa gcaaaaccct taaattccat acgaatcaaa   60

atcctcaaca gagtttacaa atccgaaacg aatagaagaa attggaatta aaagaaaaaa   120

acaaattata aaaagaagaa caaactaact aattggatcg tggtggaaac ggtgtgtgat   180

gcggctgatt attttcgatc ctctgttccg tgcttcagag agaacacaga agaaatgatt   240

t   241

<210> 30614
<211> 339
<212> DNA
<213> Glycine max

<400> 30614

ggattatata tcagagtgtt atgatccagc cttaaccata atcatgacta acataagcta   60

tgtttaataa gacattctag ttaatttctt attttattta ggtgaaaaàc tcaattgtgc   120

aataaacaag ttcttataat acctactaat gcttgatatt ctttttaatg atacattttt   180

taagtacttt aacatctaat tttacttaac aattctaata taactaatta gtctttaact   240

gcttactatc aattagttgt tttaacttct acctaacttt gtaacttcta gctaatgttg   300

caaacgtaat gataatcacc aatttggtat tctcttact   339

<210> 30615
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30615

nggctgtaag accatggcna gcacatcnng caattcagct cgacccggga nctctgagtc   60

acctgcggcn tgcagctttc ttgtttgtcc atcngngaca attaactgta aagtgggccc   120

aattggattc taatttcaac ttacctatnt ggaagtgaca tcatggcagt taggtcccag   180

ctntccattg tggattcagt cacanaacca acttcaatat gtnggactat ctaacacggn   240

gatnttcgat tctattccca cacacgatgt gggaagcacc ttctcanggt ttgtatntaa   300

acctctctcn taatcatatc catggtgaga tngnactaca ttaangaatc aatatctatc   360

caaatattga tctaagctag atcactcgtg tggtaattac cctatctttc acgtgatgtg   420

ctcnngtaga tctntcangc attcattctc tgatccatga atgacttnta tgtacnatca   480

ngacanca   488

<210> 30616
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30616

tgaccggcga anagttgaga ccctggtaga atccgatacc nctgtaanaa cacngcnnng 60

gggatctact acgcttgtag aactatggat gctgttcaag caaattacac tatcttagag 120

aaggagctat tatcgatagc ttttgctctt gagaaattac gttcatatct gcttggtact 180

cgtgttattg tttatactga ccattgcact ctgaagtacc tgttgaagaa cgctgaatca 240

aagcctaaat tgatcaggtg gatgctttgg atccaagagt ttgatttgga gatccgtgat 300

cagatgggta ccacaaactc tttgggtgac cacctgagta tgattgagcg tgcgcctgat 360

gactcaccca ttcgggatga attttcacat gaccatttgt acattttgta taagatctct 420

gattccgtcc ccactccatg gtttgcttat attgcaatta tatggctgct catgtttttcc 480

tccctcn 487

<210>   30617
<211>   312
<212>   DNA
<213>   Glycine max

<400>   30617

ccggaatcca ttttcggggа aaaatgtata gactgagaaa agaaaaatca atacggcgaa 60

tgtttttgtgc tagcaaaact atgggacctg ctttgtggta ctactctggt gtgaaatacg 120

gatttcacat tactgatatt gaatttggct catttttttat agacgatcgt cagaactctc 180

atccttggtc tcctctattt ccctcgaagt atgactctaa tcttgagtct tttctttttgg 240

tataaactaa tcttgagtct gaatgggtgg ttaagtaaat ttctaattga aatgatactc 300

taatctaaaa tt 312

<210>   30618
<211>   356
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30618

aatcacatgt ntgtcatcat caaaaatggg gagaatgtga atgtattttg atgatgtcaa 60

aagaagaatc aaacaaggct cattntgctt caagattaat acaagattgt ttcaacaaac 120

aaagccttga ttcaagattt cttcaagatc aagtcttgcc tcacaatgaa aggtttcaag 180

12768

tcattcaagg cacatgtaat cgattaccaa tggtttgaaa gtgtgtaatc gactacacat   240

catatgtaat cgactactac agactctgaa tgttgggaat tcaaaattta aatgaagggt   300

cataactgtt caagacaaat aactgtgtaa tcgattacac taattctgta atcgat   356

<210>   30619
<211>   372
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30619

tgagcgaatc caaacgacaa taactgtgta ctcggatgtc ttattgagtc ccgtaatata   60

tcgacatgct cgaaattgaa tgttgaagct ctgagcacat tcanacgaca ataacttttt   120

actcggatgt ctgattgagt cccgtaacat atcgagacgc tcgaaattga atgttgaagc   180

tctcagccaa ttcatacgac aataactttt ttctcggatg tctgattgag tcccgtcata   240

tatcgagacg ctcgaaattg aatggtaaag ctctgagcca actcatacga caataacgtt   300

ttactcggat gtctgattga gtcccgttac ttatcgagac gctccgaatt gaatgttgaa   360

gctctcaacc aa   372

<210>   30620
<211>   406
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30620

tgctttgaat attggtcttt gccagtgaaa ggatcgatgt gggtatgaaa aaaggcaaat   60

ttagtcatcc tgcttggacg aatgagaaaa ctggggcaaa tgaagagggt gagaaagagg   120

gagaaaccca tgctgtgact gccattccta tacggccaag tttcccacca aacccaacaa   180

tgtcattact caatcaataa caaacctcct ccttacccac cacccagtta tccacaaagg   240

ccatccctaa atcaaccaca aagcctgtct accgcacttc caatgacgaa gaccaccttt   300

agcacaaacc aaataaaaca ccaaccaaga aatgaattnt gcagcgaana gcctgtatga   360

ttcaccccaa attccggtgt catatgctaa ctttgctcca tatcta   406

<210>   30621

<211>   422
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30621

agcttgcttc tacaatctcc cccttntga tgatgacaac cctgaaatca agaaacacac   60

acacacacac acttttttcct agtcgatcac tcacttaatt ctccatattc tcccccttttg   120

tttttgagtt tatgcttcac ttgaaattaa gttaattact tatgtgagtt cttgatttaa   180

tccctatttc tctcccccctt tggcatcaac aaaaagccaa agtgcgtaac aaatataaat   240

catacataca ttactaatca ttcacaagac attcattgaa aaatctaaac caatcatgaa   300

gcaagaaaca tgaatagatc anatatataa aatccacata gtcatataac acaattcata   360

attgttcaat catactatgc aaataanaga aaatactaaa tggtcanatg tcataataat   420

at   422

<210>   30622
<211>   390
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30622

tctcaaacat taatntaaac aataaatgca caacttagca tgtttagtgg tgccaatagc   60

agttaaaatc actaaacaaa ttcacatgaa aggaattgat ttgaactaat gaacaatagc   120

aaacaaaagg aattaattga tgcacaagca ccaagagcaa tacaaattga tgctaataat   180

aatgacgcac cacatagaaa ttagaagcaa aaattaggct caaattggaa tatgatgcaa   240

tcacaaagag aaaggcactg aatgaattca anaaaaaacc gacgcatggt attaaaatgc   300

tataacaaat taacacaata tgccacaagt aggtgacaca catccaattg atatttgatt   360

gatgcacttc atacaaccaa tgcctaattc   390

<210>   30623
<211>   361
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30623

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agctcgaccc gggtcctcta atcacctgca gctgcagctt caatttcaag cnaacagcta      60

aagaagaaaa tgtgggatcc tgtgnaacca atggtgcttg gaaagaagag ttaaaaactg     120

ccgttaataa ttatgcttct gtcattacag aacttgatgt tgcaaagaaa gaactgagta     180

aaattcgtca ggggtatgat ttatcctcgg aagcaagagt ttctgctctc aagcgagcat     240

cagaagctga agatgcaatg aatgcataca ccataagagc atgtgagcta tctaaagaaa     300

ttttggctgt acaggaatca tttgagaaaa cgaatgctga atntgtccaa gcacatcaac     360

t                                                                      361
```

<210>   30624
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30624

```
agcttgaatt ttatgttgat ttgacagaga gaaatacttg tagcttgttg aagttactag      60

aatttggtgg tttgctataa gaacttgaca ttgtcttggt ggttgagatg aaccaacata     120

aatntgatgt gtcttattct tttttatttc tcttttgcta tttgatctgt tagggtttga     180

atttgatctt tattatttaa aaactttgtt tgttttacaa agatttgaaa ctatcatctt     240

atttgttntg caaaagtctg atatctgttt tgttaagtct tacttcacaa gacaataact     300

ntattanttt acgaaaaaat tattttttta tgaaaattac aattcaatct tatttcttgt     360

aatatttatt tttgcaatat tattatattg tat                                  393
```

<210>   30625
<211>   431
<212>   DNA
<213>   Glycine max

<400>   30625

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tcctcggtgc cattcactgc gattgctaac atttggaaag ctagtttacc aagaaatgct      60

actcttaaaa caaatatggc atacaacctc ctccaataaa cacaaacatc aatgtaaatt     120

tagagcaaac tcatgcacat acttccttat gaacattcac tcgcacaaaa tattcttcta     180

cctaaaaaaa atgcacccat gcgcaatcaa agcacctttg ttacctagat atatttatgt     240
```

```
gtacttccaa ggtgtattta ctacttacat cacatgcatt tccttggcta aatgtacata    300

catgcatact caaagcatct tggctaccaa aaattgcaca cgtgcacatt ctggcatttc    360

tagtacctat gcatatacaa actatgtgat gaatctatgc tatctacaca ataaggtgct    420

acatttcatg c                                                          431


<210>       30626
<211>       381
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       30626

ntagcttcca ctcgtaagac catatgccac tagaccagtc tattctagaa tatagaaaat     60

aaacttcatg gtctcgaata catgtagcgt gcctaaactn tgaggtgtaa catcccaaaa    120

ataatctaat aattatctag ataaagatat ttaaatatat cttttattac acgacaagat    180

agattaaata atttaaatat atcatataat gatttttatt tcgaacagag gttactataa    240

taatatataa gatttggtaa cgataaatta acgataatag aaagtataga taaagaagga    300

tcatttaaca gattgcaaat tacacacaat tcttaatata tggttgacag tctttctctt    360

agaacacaca cataaaggat c                                                381


<210>       30627
<211>       403
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       30627

tcacttgcga ctggttataa actacaacct ttaaacaaca acttgcaagc aattaaaatt     60

cgtgactttc taagagacaa ttgtatcttg actccacgat ctagctcttg aatcatctta    120

cacacccttt gtaacctaaa gtacaagaat tccctacctt ccccctcatt gcattattac    180

atcgtcaagc acattctata taagttatga ccctatgtat catctaaacc ctgtaggaga    240

tgtgagaaga aactcatata taaacatacg tttaataaac ctatataaca ctgatngaga    300

tatccttacg gatgcttatc tggatatctt agaattacat tgcttcggtg cttgaaacgc    360

caacccaata tccacattca tatctctcac tgaaatagga cgc                       403
```

<210>   30628
<211>   370
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30628

accaagtgtg tctaactttt cctaagtcta tgtttttgcg ttgttgcgct aaacgcacct   60

tgcgcactaa nggagtactg ttatttttat aaggcacgct aagcgagcca gtctcgctaa   120

gcgcccaatc tattttttag ttttattttt ctgctttcag ttaaaataaa agcatgtcta   180

atatgattat tgtgcttatt ttttatgcag atgacctcca ngaagaggaa agccatagcc   240

tcccgatccc gggaaccata taacaccacc cattntgttt ntgaggtcgc ttangagcga   300

tattctcaaa acattcacac caggaacatc cttccagaga ggaatgttaa tctttttgtg   360

atagagtatg   370

<210>   30629
<211>   323
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30629

gcagctttac attaatttca gctctcgatt gtacgggctg atcagacatc gagtaaaagt   60

attgtcgttt aatttgctca gtgcataaca ttcaatttca gcatctcgat acgtgatggg   120

actgaatcag acatttgagt aaaagttatt gcgtttgaat tgctcagtga tgaacattca   180

ttcagcgttc gattataccg actcatanac atcgagtana agatttgtcg tgatnactta   240

agctcacatt cattcacacc taattgtacg gactgatcga catcgagtaa agtattgcgt   300

tgattgctca actcacattc att   323

<210>   30630
<211>   250
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30630

tctttgagct tcattgttgt cctttaatgg cgattntcca ccatggagat gcatcggaag   60

```
acaaaggaga ataggtaaga ggcgacgcca tccactatgg aataagccat gaatgagctt    120

caccacgaag atgagcaaag agagtgttgg atcgagtggc ctcanaatca ttaagaaggc    180

ggggggggtg aattaattat tcctaaacct ttactaatta aaaaattact cttctaatgc    240

ttttacttat                                                           250


<210>      30631
<211>      366
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30631

cccacaacaa caacaacaat tcatcaaccc acgatggaga agaagaagcg gtgaaacccg     60

accagctgtt caaggaaacc gcagagtaca tcgtgttgct gcggacgcgc gtcgtggttc    120

tccagaaact cattgagtat tatggaaaca acaacgacac cacccaagat gagaatgaac    180

atgaagatgg tgtcttgttt acatagctnt ttcactctct tcttcttctt catcttatta    240

ttattattat tcttttttggt tttcttctta catggtttgt tttgtgactt ttgtcctttc    300

attaatgaag aaaaaaacaa aagacaagat ctttggtcta gtgtttttttt tcttggaggg    360

gggggg                                                               366


<210>      30632
<211>      369
<212>      DNA
<213>      Glycine max

<400>      30632

ccaaaatcat gagcacgaga agagtctgtt ttcttattaa tacaattcat tgtatatgcc     60

gtgatcactc aacattccag tcttatgtaa gaacatatta tggattaacg gacaataata    120

cctctatgtc tgagatcgct ctcacacaat aggctcagca tgtgggcgca tagaaagtgg    180

atagtggcaa aactgaatac atgctgctat atacaattaa tagactccca attgtctatt    240

atttgaataa gacctttgat ctttttctaa aataagcgga gctaaaagat tatctgtttt    300

tgatgtcaat attgaaaata gtactcttgg ctgataaaag tgaaaaatgc ataatgccgg    360

ataaaatat                                                            369
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<210> 30633
<211> 346
<212> DNA
<213> Glycine max

<400> 30633

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ttcgaatggt cttatacttt tcactcggat gtccgattcg cggggcataac tcatctagat   60

gctcgaaatt gaacatcgga agctctcgag aaattcaaat ggtcataact tttcacacgg  120

atgtccaaat ttaggacata atatatcgag acactcgaaa ttccacaacg gatgtactcg  180

agaaatttga atggtcataa cttttcacac ggatgtccga atgtgggaca taatatatcg  240

agacgctcga aattgcgcta cggaagcact cgagatttcg aatggtcata acttttcaca  300

cgaatgtctg attcgcggac ataactcatc tagacgctcg aaattg                  346
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<210> 30634
<211> 380
<212> DNA
<213> Glycine max

<400> 30634

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agcttcaaca taataaagac tttctcaagt caagaactat gatcttcttg aggaactcta   60

ggtttcaaat cgtgccatag taagcatggg atatattgaa taacaattac agggagaacc  120

catgcattga tcttaatgat gtgtgtaatg agacaatgaa tgatgcacaa ttcgaaagct  180

ttgttgatat tttgtcaccc cttggaaatt gttgctcttt tagtctactg gcagttgaat  240

cttttccctc tgcttcaatg ccctctcagt caatggcatt ggcttcaact aggacttcta  300

caccatgtgg gacaaagtgt aaagttgtta tggttgatgt cactgataca caatttgatg  360

agttcaacac aggtcttgat                                               380
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<210> 30635
<211> 316
<212> DNA
<213> Glycine max

<400> 30635

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tatgaagaga gaacaattta gagagtgatc gaagactttc aaatggattt ccactgaatt   60

tattcataga gagatcgaga tatcttaatg atgaaagttt tccaaatgat ctaggaagag  120
```

caccaccaat tgagttgttg gaaaaaagta acgtgtcaat attttttaaat gccccaatat 180

gatctgtcag attgcctgaa agtcgtgaac tctgaactgc aagtcttgtg agtccatggg 240

aaatacaagg agcaagaatt tctaaaagtt cattaacctg ttggttgagt ttgagatatg 300

ataaatctat caccct 316

<210>   30636
<211>   366
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30636

ttgcttcctc cagaagcaaa agccttctgg aggaatcttc tanacggccc aagtgggctt 60

ggatgctatt tgcaccccca ttnttactaa ttacacccccc ttgctttttt tggtgattct 120

ttattcgtaa agttatggaa acttacgaaa tctcgaacga tacttgttat cttttcgtaa 180

tgttacggaa ccttgtggat tacataatca tccccttatt gacttaccga atgtatcgga 240

acctcactaa ttgagcaacg atgcttccat ttgaatatcc gcgtgtcacg gaaccttgct 300

gattgtgcat caatattttc tattgatttc tggcacgtnc cggaatttca caaattgccc 360

aatgat 366

<210>   30637
<211>   120
<212>   DNA
<213>   Glycine max

<400>   30637

atgaatgatg tgataatatg ctgcactaaa aatcttaact cgtaattgac taactacaaa 60

atgcatatat tatatcatag actacactcg atattcctga atcatctaat ttgagtacaa 120

<210>   30638
<211>   426
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30638

cgcatgttat ctntactaat agctatagac atatttgaag accaactata ataatgaatc 60

tggaaattcc tttcccaacc cctcagccag gtccatatga gaaacagagt gctatctgtc 120

agtctagtga tatcaaaggt ttgattctgg aaaattatat catttctgag cctccatatt 180

gaggttgtaa ctgctatcca ccacattgtc cttcttatgt tagcatcctt tgaaactgct 240

gaggagaaat gctgaagaca attgtccaaa ggtctgcagt gaaacacctt ttcttccttt 300

atccaagata ggaattccca ccatataggc ataattntgc cacaagtgaa gagtacgtgg 360

gaagcagttc aggttgacta tgacagaatg gcataaatat tatgcacctg aatctgcctc 420

ttaatc 426

<210>   30639
<211>   349
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30639

gcttagctac acanccccct ataatagcta agctcacccn catgatataa tacatgaaat   60

acttaaaagt ccctactaca aagactactc aaaatgcctc gaaatacaag gctataaccc 120

tatactacta gaatggccaa aatacaaggc ccaaacaaag gaaaaaccta ttctaantat 180

tacaaagata agcgggctca aacttagccc atgggctcgg aatctaccct tangctcatg 240

agaaccctaa ggccttccct tggatctctg gcccaatcta cttggtgtct attatccaat 300

gcccttgtgg ngtaagatng catcattccc tccaccttgg aaaggattt   349

<210>   30640
<211>   313
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30640

agcttgttag aactatcatc acatgacgct ntattggcac agaataagtt gctttctaag   60

caacttgaga ttttaacaga aacacttggt aagttgccaa ctaaactgtc tattggtcaa 120

ccttcacatt cttctatttt gcagattaca ggttgttgga tcaagtggcc tcagaataat 180

taagaaaggg ggggggggtt gaattaatta ttcctaaacc tttactaatt ataaaattac 240

tcttataagg cttatactat gttgttaagt gaataaagag tagaagagaa acttaaccaa 300

cagttaaagc gga

<210> 30641
<211> 382
<212> DNA
<213> Glycine max

<400> 30641

tataaaaccc agcttgggaa acaattagaa gggaggagaa ctgatttgtt attttatgaa 60

tattatgtct tataacataa gggggcttgg aggtagactg aagaacaaag aggtacatag 120

tttaatttct aaatataagt taaatgttat ttatgagcac gagacaaaat tggaggagat 180

caatagtagt ttatattctt tgttgaggag ttgagatgat tatgagtttg attctaaaaa 240

atcagagggt cggttatggg attttatgat gtggagaaaa gatcttttgg ttgtaaaaga 300

ggtggtgtat aaggaacatt ggttatgatt aattggtgta tgtggcgttg agcagattga 360

agtgtttatt gctggggtgt at 382

<210> 30642
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30642

agcttgctaa tgtgttgcat accaatgagc tcgcaagacg gctaaaggtg atgacttatt 60

tgaggttact gagtatatgt tatacctgct agtagtctgt ttctgtatgt gttgttctgt 120

tttatttacc cctgcaaaat aaaggaaaca tgagaacagg gaaacagggg actaatccag 180

cttatcagga aaatggttgt ggaggtggtc tactgacacc aacagtttgt gagatgctat 240

ttgtttatgt aaaacaaatt gttgtgagtg gatcaactgg agttggggtt tgtaagatan 300

tttcctgagg gtgttgtttg ttgataaaag agtaacctttt gganaattga attcttattc 360

atatactctg aaatgac 377

<210> 30643
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400>   30643

ttatgttgca natatttaca atagacctcc tcaacctcat tatctaaatc aaccacagtt   60

tatcaattat gacctttcca gcaacagata caaccctgga tggaggaatc accctaacct   120

cagatggtcc agcccttatc aacaacaaca gcagcctgct ccttccttac aaaatgctgc   180

tggcccaagc agaccataca ttcctccacc aatccaacaa cagcaacaac cccagaaaca   240

accaatagtt ga   252

<210>   30644
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30644

agctttcttg ataaaacttc cttgagaagc ttctttgaga aaacttcctt gagaagctag   60

agcttagcta cacacacccc tctaataact aagctcacct ccttgggaag cttccttgaa   120

aagattccta aagaagctag agcttagtac acacacctct ctaatagcta agcttacctc   180

cttgagatga gaagctagaa cttagctaca caccccctat aatagctaag ctcacccccta   240

tgacaaaata catgaaaata caaaaaanag tccctactac aaagacaact canaatgcct   300

cgaaatacaa ggttaanacc ctatactact agaatggcca aaatacaagg cctaaacgaa   360

ggaaaaaacc tattctaata   380

<210>   30645
<211>   346
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30645

tctcccccaa ttntctataa atagggggag aagtgatgtt gataagggtc cagccccctta   60

ggcacttgtc tctctttcga atttgctcgg aaaaattgtt tccgtgaaga aaatctaagc   120

cgaggcgctt gcgaaacgtt tccgtatcgt tttccgtgag gaatctcgca aaggtttcaa   180

ccgttcttcg acgttcttca ttcgttcttc atcgttcttc gatcttcaac gggtaagtac   240

ctcgaaccaa gcttttctat tcattctatg tacccgtagt ggtccacatt gtgtttcgtg   300

catttatatt ctcgttttgt tactttttat tacccctgtt gcatgc

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<210>      30646
<211>      380
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30646
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aaatcacatt tcgttgtggg ggaatgtgag gctcanagaa cattgtgtat tttccatctc   120

tctttgcagt gcatatgata gagcggctat taaattccga ggagtggagg cggacattaa   180

cttcaacatt gaagattatg aagatgactt gaagcangtg atcaatttgt gaatatttat   240

attttgttnt atcttatctt gaacagtcac acctcatacg tataggatca ccttatctcc   300

tacagttagt gctatntttt ctgtcttgaa gtactctcat gaatttgtta aatgcaatgt   360
                                                                     380
taatagatga gcaatcttac

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<210>      30647
<211>      391
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30647
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tctctactac caagagcagc tcaatctgtg atataaaata atgtaagaga atcaattaac   60

taacacccaa taagaacatc agaggaagtg atgggggata aaaataaaat gtcatgattc   120

atatacagac agacaaagat gaaagtcatg cataggctta ttttctgaga ttntgtgagg   180

canganaaaa gacaggcaac aaaccctttg acagactcaa aatgacaaaa tagaaagaca   240

acaagacaaa agggcaagta atttgatggt gaggagctaa ggaacatact gtgttgaaaa   300

ataaagggtg aaattaaatg atntaggtag ttaataagtg aaacctgagc angagaaata   360
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aaatcataat atatgcaata ttgcatggaa t

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<210>      30648
<211>      348
<212>      DNA
<213>      Glycine max
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tatatgccta gatatcaggt taatttaatt tagcttatnt tcttattang ttttaattac   60

tttttttttc tgtcacaaat tactatatat gcactgtatt tcatttctta ggccgcatta   120

attagtatgc atttgtttaa ttaatttcta aatatttcca cttctttttc atgtgtgcta   180

ctacacagtc tacactatag tttgtgtatg tatgagaaag atgaacacta ggttatgacg   240

tgtacgagga gtttgaactg tgagtcanat tactctacaa taatagtaat atctaatttt   300

atcctctata acaacgcaaa gctagaatat acccccaatt acatggat   348

gctattattg tgtgtagagg gagtgatgaa cataggatgt cttctctcac aacttctact   60

tggttctttt gggatcttag gttgaaagac attgattagt gaatgttttg agaaatgata   120

cacctctgta ttttgacaga gtaactaccc acgagtttga cagctaatag atctcattac   180

atcattcaca tatgtcattg ttatctaaca ttgttccctc agtctatggg ttacaacaat   240

tgtatattct tctctttatt ctcatatagg taccatttga agaagctcca gagcttgttg   300

atggacggta tgtgtttatt aatcaatgat atgcatatgt tgcaatgaat canggtcact   360

                                                                     379
agtgtcatta cttctattt

gctttcactt tccaagcatt aatttccaac atcatgaact acctaactag gaaacagagt   60

aaggtnaaaa atctgccaaa acacattcac atcttacagt ttcttactca aataccccag   120

tacattcctt tgtccgattc gtaccgtgga tnacttgaaa tttactggag attctagtca   180

taagtnacat tntgaccgtg ggatctgtag aaatgtcaga atcaatatgt actacctttc   240

cataacc

<210>   30651
<211>   422
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30651

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gagagcacaa atcctatact tatccaagtg atcctttttt atatacaatt gcttactcac   120

tagcttttca ctttcatttg cttttgacct tattgcatta gcacacattt cctttgattg   180

gtttctttat tttggttctt cttctctatt tttaaccaca caacttatgt gttgggagtg   240

ctgatgctat atctatttct ttgcatccca attagtttca cctcccccaaa tttggggtaa   300

atttgccttg aaccatatgc tctcctacaa tctaaacaag gtatcttgga gataatcatt   360

taggttcacg gttcaattat ggacaaaatc attcagctca canagggtgc atatgataca   420

                                                                    422
at

<210>   30652
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30652

agaccncgtg ctgttaaaat tgaganccat gnagnnatct tgacacttta gtannaacnn   60

naannnnngg aagggagatg tatcgtaaac tgaagcgaat ttctgttact tcagatagtt   120

ttctttgtga gtgtgctaga ataggagctt tgacatgtgg aaaatagatc catgctcatg   180

cattgagaac tggtatatct ttatggttta taccatgcat atacatacgt tgttaggggg   240

aaatagaata gctggaaaaa ttttgtagtg acatgaataa acatgaattt tgtacagata   300

tgaaagtgga acgaccatgc tactggcttt ttaagatggt agtaacgtga actatgaatt   360

cttattcatg ttggctgcgc acaagttggg caatgttaaa attttcagat ggttagactt   420

                                                                    423
ttt

<210> 30653
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30653

atacttgtaa tttgttgaag ttagtgacac ttcgtgaatt atcgataact agacgtagtc   60

tcggtggttg agatacacta gtataaattt cttgtgtctt attctctctt ctattattng   120

aactggccta cggtttgaat gtgatcttcg cttttgaaca actctatttg cttacaaaga   180

tatgagacta ttgtctgatc tgtcttgcaa gaattgatat ctatgttctt angtgtactt   240

catcaacact atcttgatgt attcaaaaag gtttgagttt ataaatttgt aatgttacat   300

acatgatttg at   312

<210> 30654
<211> 324
<212> DNA
<213> Glycine max

<400> 30654

tcaatctgcc atagctactc agttcgccaa tctccctcaa atgctactac acaacctaca   60

acaagctcag caaaacatgt tgggtgttgt catccaacca cctcccatta tccaacaaca   120

accaactcca agtatattgc ttgcacctgt tgaaggaaaa ccatcatcac ccacaataac   180

accaccagtt tcagcaccaa caccaccacc gaccaatcaa gagtgacgat gatgtcccat   240

cataattact ttctgtcaat gacaaaagga agagaatgtt atagaaattt gatttatgta   300

aatacgacac tcttataaaa taca   324

<210> 30655
<211> 117
<212> DNA
<213> Glycine max

<400> 30655

ctgcaacttt acttggtttg ctccggactt aaaccgtgc gacacactaa tttaaaccct   60

cccctcttta cagcacccct ctcatcctaa actactatcc ctggcaagac gactagg   117

<210> 30656

<211>   338
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30656

agtccatagt tccaatcaat catgctcagt atgatgcatg cacctgacct caactctcaa   60

acgtaatgtg gtaccatccc caaggaaata gtctaagcgt tgtagaagca aagcttccaa   120

gattattttg atgatgccaa agattttaaa aagatgcatt caaacaagat taaagaaatc   180

aagaagattc aagtgaagat tcaagagaag actcaagata tgcaagaacc tcaagaatag   240

ctcaagatga gataagaata atntttcaaa gaaaagaatg atagcacaat ttgccaaaga   300

aaaatcttnt accaaagttt tttactatct ggtaatcg   338

<210>   30657
<211>   326
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30657

aaaaatttct tggatagatt gaagtctttg gtcataagtt ttatttactt atgctgccac   60

ttgtgacaac attacatcat acccaaatct gtgtgcaatt tcgatgtttg cagtgtggat   120

ctgtctatac ttctctcttc aattcttttc aaatttcata ctcttcccaa tagagttgtt   180

tgcagtttca ctagcagacg tccaaactaa taactatcca ataaatttca ccatcttatc   240

ttcatgattg caaatctatc taccggctaa gataaattat aatataggtt ttctaatgta   300

tgtgatctct ntgactaata tgacag   326

<210>   30658
<211>   434
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30658

agctttcact tatccaagca attcaatttc caaacatcat gaactaccct aaactaggaa   60

aacagagtaa aggtagaaaa atctgcccaa aacacattca catcttacag ctttccttac   120

tcaaataccc cagtaacatt ctctttgttc cgattcgtta accgttggat cgacttgaaa   180

12784

attttactgg agattcctag tacataagtc tacattttga ccgttgggat ctgctagaaa 240

atgtccagaa tccaatatgt actacctttc ccataaccag caatgcacaa gcattttct 300

gcacatttgg tcaagttggc tgcacaattt gacagctttt tgctgcacaa tttggcagat 360

ttcgaaattc ctcttaccca cantccaatt tgctcanatt ggantcctac agtcctaaat 420

catgcataaa tcat 434

<210>   30659
<211>   317
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30659

gctncttata tggagcacac gagaccagac aaacatgtca cttcatctat caaagtacat   60

attgatctac atcatgcaaa tttatgtgac acttctcatg cctaattgaa tgatntgatc 120

gatctatcaa cgctctattt atacatacat aaaataacaa gacgatttaa ttcctttgac 180

acggttctgt ccatgatgta caacaaggtg gttacataca cattatttaa ccaattaatg 240

aaaataataa tatgtttcat caaaactgac ctgatccttc tcatgcttat tgagtgagtt 300

gattacccgg cttgact 317

<210>   30660
<211>   433
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30660

agcttgtatg tttgcttcta tnttctccca gaaaagtata aatataagaa acataaacaa   60

gaagctctct tgttttggct ggccattttg acatattcgt gcatatttac atagagacta 120

acccattgct aatagtctat attgagacgg gtcaatgggg gtttatataa ctatgttaat 180

tgctaatagt caatgcctat cagtatcatc acataatcca atgaccttag acttcattgt 240

ataatagtaa cacaatcata ttaacataat aatttacata atatggttgt cattatgagg 300

atcaatctct cagacaanaa gtcaaaggaa ggcgggacac aaggacagat gcaatntaaa 360

catccaattt gttttatatc tttcaatgag aaagagatga tatatcatca ctttgacgtt 420

caatgtatga caa   433

<210>   30661
<211>   439
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30661

ntaaaggatg ttntatcagt acaaaaatat atgtntttgc tctggtaatt gattaccaaa   60

tattgtaatc aattactaga gatacattac cagagacaaa ttacataaag gctttttcaa   120

aaagaagttt ctcttttgaa atttgaattt taaatgctgt aatcgattac cacttgtatg   180

taatcgatta cctgtgatga aatttcagaa gttaacattg aaaagtcgtg acctttcaaa   240

acataactat gtaattgatt accaagaagc tgtaatcaat taccagtgag agaatttttg   300

aaaaatattc tgaaaagtca cgtgtctntc aaaagttttg aaaagccacc aaggacctat   360

aaatacgtga cttgtctacg aanaacatta gagttnttca ttagaaccta ngtgacatat   420

tctctcaaaa caaatcatt   439

<210>   30662
<211>   411
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30662

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ataatgaggt atgatataac tcagaancaa atgaaatgaa gatcttctgt cttaattgct   120

taaaaatttg ttacgttgag acttaattaa ctattctctg tttatgggcc atttatttta   180

ttttgaccct taggataatg cctccgattt cataagggta ggtggaattc agagactgca   240

ggatggagaa tttattgttc tagtaagttt tttctttaat gcacactnta actnttatta   300

cagggtttct gctcttaccc ttggatgcct aaattaaaga aacatctgaa catttgtaat   360

ttanagaacc ggnggaaaat agattcatct ttgacctata ttgaccctta t   411

<210>   30663
<211>   387

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30663

ctatagaagt aaacaagata taaatatcct cacattatat tttagcatat gtgcataaat   60

aacaaataag tcataagtca tcaagacata aagcatttgt ctgaggccct ggcatctaca   120

agtcctaatt ctcttctaat ggcgtagaaa gagcctttgg ttagtggttc tgtgaagatg   180

tctgcaacgc tggtaattag tatctacaga tgctcaaaac acagtcacct ttgtcctcag   240

actaacggct aatngaccat caacatttac caagataagt ttttattgac atagaagggc   300

ttatcatatc aggatacttt atttgaaata catataataa ttttgaaaag cataaaaatt   360

tttatcaggc catcaagtat tcgacat   387

<210>   30664
<211>   333
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30664

tgctgcattt cggaatacca ttnttcgggg aaaacatgat gtttgacaga gaaaagaata   60

aatacaatac ggcgaaagta atgttagaga cagacaaaag gagttgcaag acatcattat   120

tattgtgcat aataacaagt tttctttttg gtgcagtgca taataacaag ttagtaataa   180

tcactacatg ttttcttttt cagttgtcgc ctttattcat cgaagtatga ctctaatctt   240

gagtcttttt ttttggtata aactaatctt gaatctgaat gggtggttaa gtaaatttct   300

aattgaaatg atactttaat ctaaaattta aac   333

<210>   30665
<211>   426
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30665

agcttaacat gtagatattg gaacacatca tcgaaagcat cccacaaggt atgtgttcag   60

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tgcaggtgca agaaagataa ggactaccta tataagcatg aagtntaacc gcttcaagaa   180

gctgggactt ggctttgata tgcttatgaa ggatagggac acaggctagt aaactagtgt   240

ccaacaagag taatgttata aactattgtg cagattatct tcatgtattc attatgaata   300

gaaagggttc aatccttagt gacaccctga tattcgaata tctgaaacgt gtaatttgtt   360

aagatgaaat tcaatcgtca cgatatttca tctatgcagt aatttgtggt atgttatgac   420

tttggt   426

<210>   30666
<211>   212
<212>   DNA
<213>   Glycine max

<400>   30666

actgcatgta ctgctgctct aatctgactg tatgcatttt cccaaaggat aatttatgct   60

ccaatataat acgaaaataa atgtcttgaa agaattgaaa atgtattata gaggatctca   120

atccaatgag atactaattg ataagcctat tttaacctct acctaaaata aaatatacaa   180

gatctaatct atatggctta attcgatata ag   212

<210>   30667
<211>   182
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30667

cacattattt ccatgacaca tatgcaaaga tgatgatttg ganatnttat gcanaactgg   60

tcatgcatgc acctatgcgg acactcaagt gtcaaatttt tatggtcatg ggatgctacg   120

gctcangatt catttcctct attgttagtc aacccaatgt atcaaaatat gttctttat   180

ca   182

<210>   30668
<211>   348
<212>   DNA
<213>   Glycine max

<400>   30668

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ctttgcaaat ctgatttcag gcttaaatag gtggccttgt tcgtgctcgt gcgcttagcg   120

cagatctaga tcacttagcg cgcctaagtg gattgtggct taacgtgctt gtttcgctta   180

gcaaatgagc tgaagcggtg cacttgatga cctggagtgt gacaccctct accccgacat   240

atatataaat aaataaaata tataaaaata tattggtaaa caaaatcaca tgggtaaaag   300

gttcacattc acttcattta ccaaataaaa cttattaaaa acaaattc   348

<210>   30669
<211>   276
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30669

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cacctccatg ccaaaataca tgaaaataca aaaaagtctc tactagaaag actactcaaa   120

atgcccttaa atacaaggct aaaaccctat actactagaa tggccaaaat acaaggccca   180

gaagaaggan aacctattct aatatttaca aagacaagtg gacccaacct tgacccatgg   240

gctcaaaaat ctaccctgag gttcatgaga atccta   276

<210>   30670
<211>   398
<212>   DNA
<213>   Glycine max

<400>   30670

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tcttgaactc attctttgat tcttgagatc atcatctttg gtatcatgaa ttggtgatga   120

tctttgagtt tttttgtatc acctttgtca tcatcaaaac ctctttgaat caatcctgat   180

tcaatatgaa gctggcttct acaatctccc ccattttgat gatgaccact ttctaaatca   240

agaaacacac acacacacac acactcacac actttttcta gccgatgact cacataaaat   300

tcctttctcc ccctttggtt tttgaatata tgcttggctt aaaattaaag tgattactca   360

tgtgagtcct tggattaatc cctattctct cccctttg   398

<210>   30671

12789

<211>   303
<212>   DNA
<213>   Glycine max

<400>   30671

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ctgtacaagt tcactaagcg caccacttca gttcatccac taagcgagaa aggcgcacta   120

agccaaaaat cactaacgtg cgctaagcgg tccatacgtg cgctaagtgc acgagcacga   180

acaaggccac ctatttaagc ctgaaatcag attttgtgaa gggagtttgg attgggattc   240

agagctttgc atgtctaggg tttctagaga gagaaaggtc caagttctag agagttttga   300

gag   303

<210>   30672
<211>   353
<212>   DNA
<213>   Glycine max

<400>   30672

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taaccaagag gcatgtccat gtatactccc tcaatcaaat cactattgaa aaacacatta   120

tttaaatcaa gctgaaacat gttccaattt ctgtgaggtg caatggaaag aaacactctc   180

attgccgtat gcttggcaac aagtgagaaa gtgtccaaaa aatcgatctc tgcttgtatg   240

ttgttgtgtg taaccttttg caacaagacg agccttgtat ctatcaatgg agccatctgc   300

tctatacttg accatataaa tccatctgca actgatgggt ctattatcgg gtg   353

<210>   30673
<211>   229
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30673

tgcattatca acttctcatc cctggaatat gcacccatct ttcgatagta cattgttagg   60

tgattcttat ggcaagtcgt ccctttgtac ctatcgaaat caggtacctt gaactttgga   120

gggatgacga cgtccggcac caatcaaagg tcggtcatgt ccgcaaatgg ataatcgctg   180

aatacttcga cagccctcaa cctcttttcg atgagatcga gntttccct   229

<210>   30674
<211>   364
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30674

agcttttcga ttcattctat gtacccgtgg tggtccacat tgtgttttat gtatttctat   60

tctcgcttca tttacctttt atacccnctc ttgatgtgct taagccattt tacttaagtc   120

atttctcgct taacctaaaa ataaaataca atttcaccga tcgcttgaat tgtattatcc   180

gttaacttcn gttaaaatga attccgaccg ttcggtcgtg ccgtaaccac gttggatatc   240

ataaatgagg tcacaaataa tataataatc aaaaaacatc tctttagtaa ataaagcgga   300

tatcaatcgg acgtttctct ttgggattct cattcttatt gaatngctaa taactaagtg   360

                                                                      364
aact

<210>   30675
<211>   186
<212>   DNA
<213>   Glycine max

<400>   30675

ttagtgaaaa catgattaca tatctaggat ttttttgctt gaatgttggg aataagggggg   60

gttttgtcat tggatacagt gtgatggctg cttatgatta tttgaccatc ttgagtcatt   120

gctatggtaa atgtgacatg ctgaatatag ctgttctaaa gctacatgct aaaaatcaaa   180

                                                                      186
aaaaaa

<210>   30676
<211>   370
<212>   DNA
<213>   Glycine max

<400>   30676

gtgtaatcaa ttatgatcag attgtaaccg atgaaaatag agttttaaac attgaagaaa   60

ttttctaact ttagaacctt tcttcttagt cctacatgat gatgcatgat gcacgtatga   120

aatgatagag actaagatgc aacacacaat acaacagtca atacaaacgc cactcaagag   180

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agttgggcat gtaaaagaca aaacttcttc aagttcttct ttaagcttca aggccaagtc    240

tttattttgc tccccttatc tctaacaatc ttcccctttt ttggctttga tgatgccaaa    300

cttgaattct ccatttgagt gcatttggag agtcttaaga gtagagactt ttcttagaca    360

                                                                     370
aacctgaatg
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<210>   30677
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30677

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acttattaat tagttttacc aaattaaatt tgttagttta taagttttac ctagtttata   120

aatgaaaaaa taaattaagc taaaataaaa tgttcgtctt ttatgtattt tttgtttcta   180

ctctgctcct ctaatttagn ctcttataac tttcgggaag ataatagaaa atggaatcga   240

ttgaaacata gtagaatggg tgaatcatga atagaaagaa ttaacaatat gtcactctat   300

tattaaataa tgtagatgta taatataatg gtcaaaaatt agattccatc atttgataaa   360

                                                                    402
aggagttgaa taaattatct ttttattcat tatgaaaaat aa
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<210>   30678
<211>   269
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30678

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gagcaaaaaa caaatgtcta tgggcctaga gcatggcaat gcaggtgacc canaaatgga   120

tctaaaatag actctgaaat cattntagaa tttgggctta gtgaaaaggc ctaactcatc   180

ccatataacc gacttgtagg gtgaggattg ctcaaacttt ataagctcta tttaagttat   240

                                                                    269
atctctagac tatgtgggac taaatactc
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<210>   30679
<211>   417
<212>   DNA
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<213>    Glycine max

<223>    unsure at all n locations
<400>    30679

tgctttctct tgccatttcc tgtgaaggca aaaatttgga aagttagttt taccagtggg    60

acactactct taaaacaaga atggcataca acctcctccc ataaatacaa acatcaatgt    120

aaatttagag caagcttatg cgcatgtttc cttacgaacg ttcacttgcg gaagacatcc    180

tattaactaa gaaaaatgca cccatataca atcaaggtag cttcattacc tagattattt    240

acatgtacct ccaaggtgta tttgttattt acatcacaca cacctccttg gctgaattta    300

catacatgca tactcaaagc attntggggt accaaaaact gcacatgcgc tcatcttggt    360

atntctaaat accctacata tacaaacttc acgatgaatc ttgactgcct acacaat    417


<210>    30680
<211>    421
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30680

agcttcaatt ctaccactaa atggtgtaat aagttcatat ctcaactntc atacctctac    60

attcattttt ctttctaatc ctctatcaga tcagcactcc tcacatcttt caccttgaat    120

tgacaaaacg tgacctatat ttctatgtgt gtcttctgag gtatcattcc ctaattaatt    180

ttacattntg acaccttttc ctctctctct ttccaggatg ctgctagtta ccgtgatgag    240

ctaaacaata ttgccccaca ctctctttta aaatgttgca gcgatgctac aacattggta    300

tgatccctac tttcagttaa atacgtttta tctccgagtg atgtaagcta tctcaagaga    360

aatacagtta acaaggaaaa ccaacttcct tttttaaaca gtcttttaag ttgattgcac    420

t    421


<210>    30681
<211>    168
<212>    DNA
<213>    Glycine max

<400>    30681

agatattcca aactatttgc cctaattgaa aatctatttc actttgtact caagttatga    60

attaccttaa tgacgatctt cttaagtaaa tgaaacaatg tggatatgaa tataaagcaa      120

ttatgatata aggagattaa gggaagagaa aatgccaact cagtttta                   168


<210>      30682
<211>      363
<212>      DNA
<213>      Glycine max

<400>      30682

ttgcttgtca ttgtgagaca tcagaggcta gtatttgaat aaatgtgggt aagaaaaatt       60

caccaaattg atagagaaca atctaaaatc atacatctta ggcaaataag gcatgctagc      120

ccccaacatt attgcatttt gattccatct ttacacattc aaattgttgt ttatttctcc      180

tgttatcttt tcctttgcct tagtctaaat ttcaaactta caattccgta tctctttctt      240

cttttgtttc tcctcatttc ttaataattg gatttgcatc acttaagtac aaccaaagtc      300

cctctggatt taattgttga acttcaattt caatctttac tactcgtgat aaaattacga      360

cac                                                                    363


<210>      30683
<211>      290
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30683

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gtgctaaagg tggtgttcgt cattggaagt gtggtagaca gactttgtgg tagatttagg      120

gatggccttt gtggataact gggtggtggg taaggaggag gtttgttatt ggctgagtaa      180

tgacattgtt gggttggtgg gaaacttggc cgtataggaa tggcagtcac agcatgggtt      240

tctccctctt tctcaccctc ttcatttgcc ccagtttttct cagtcgtcta                 290


<210>      30684
<211>      498
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30684

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agacaacggg ggaaatgagc gactcacgnc gtncnaanac ncngnacccg ggatcctgtc   60

agtcacctgc ggcatgcaag cttcagttta ttttgcattt ggctgaaatt aatttaagtg  120

ttgtattgcg tattccatga tgatacattc tgtgtgcgtg ctaaatgaat tggctcactg  180

cgatggctta tgagatgggt tgccttcaga aaatggtgat tgcttatatt atcttagaga  240

ttgctgatga gaaatggttg accccctgat aacacgcata tgctgtgatc gctctcgtgt  300

gcttgctata tcgacccatc accatatcta tacatcctat gactgcttta tgcactagaa  360

ctggtcataa gactttctga gaatatatat cgttatgcat cgggcgttta cacacgngcc  420

cggctttaca gaacatcatc ccaaaaaact gacatggctc tcttgttgaa tttccatact  480

tagagtttga ctctctcg                                                 498


<210>      30685
<211>      338
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30685

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agtccaataa tataacgaga cgctcgaaat tgantgttga agctctgagc taattcaaac  120

gacaataact gtttactcgg atgtctgatt gagtcccgcc atatatcgag acgctcgaaa  180

ttgaatgggg aaactctgag ccaattcaca cgacaataac attttatggg atgtgtaatt  240

gcgtcccgta tcatatcgag acgctcgaaa ttgaatggtg aaactttaga caattaaacg  300

acataacttt tacttgatct ctgangagtc ccgaacat                          338


<210>      30686
<211>      419
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30686

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ggacactact cttaaaacaa gaatggcata caacctcctc ccataaatac aaacatcaat  120

gtaaatttag agcaagctta tgcgcatgtt tccttacgaa cgttcacttg cggaagacat  180
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cctattaact aagaaaaatg cacccatata caatcaaggt agcttcatta cctagattat   240

ttacatgtac ctccaaggtg tatttgttat ttacatcaca cacacctcct tggctgaatt   300

tacatacatg catactcaaa gcattntggg gtaccaaaaa ctgcacatgc gctcatcttg   360

gtatntctaa tacccctaca tatacaaact tcacgatgaa tcttgactgc ctacacaat   419

<210>   30687
<211>   328
<212>   DNA
<213>   Glycine max

<400>   30687

ccttgcctca tagaggtcca ggatggactt tgcagccgaa tgatctagtt ccgctccgga   60

gtatgacagt caccgcttta tgagcgctgt acaccagcat cgcttcgagg ccatcaaggg   120

atggtcgttt ctccgggagc gacgcgttcc tctcatggac aacgagtatg ctgatttcaa   180

tacgaaatag ggcgccggcg gtgggcatca ctggatactc ccatgcccag tttgacccga   240

aatagtcctt gagtttatgc catgcttggc cacaaagatg gcgtgctgac atagatcctg   300

cgtagggtca gtgaatctgt ttgtgcca   328

<210>   30688
<211>   349
<212>   DNA
<213>   Glycine max

<400>   30688

acttgatgat tgttactgtt tctcaattat aagataagca ttgtgttatg acttggttct   60

gattatcaat ttaagataat gatgactcct tcataactct ccatacctga agtggtatgt   120

aaaggtgata atatgtaatt tgatagttat ttaaggaaaa aatgcctaag tctatactaa   180

aataagttgt cattattaaa atgatgttac aaatccactg attatatttg ggggtgaggt   240

caatggctca agtatcacat tgaccactgc aagattttac ttcatgttaa tatactttaa   300

ttctttatct gatgcaattt aatctatcta tcgcttatga ctacttaaa   349

<210>   30689
<211>   273
<212>   DNA
<213>   Glycine max

ntgcggatgt ggtcttcgcc ggtgaattgg tcgaagcgga tttgaaaaga ggaaaatgta   60

atcatcctgc ttggacgaat gagaaaattg gggcaaatga agatggtgag aatgaaagag   120

aaacccatcc tgcgactgct gtttctacat gggaactccg ccaccagctc aacaatgtca   180

ttacatagca aataacaacc cttctccgtt actaccacct aattaaccac aaacgccatc   240

ccttaatcat ccacaaaacc cacctgtcac aca   273

<210>   30690
<211>   456
<212>   DNA
<213>   Glycine max

agcttgaagt tatatgttaa aataactnng tgtattcttt ttacattctc ttgcaacagc   60

ctncacttga gnnttatcat tanannagtg ttcagggaat nntaatccaa acctattaan   120

nattgatccc aataanaatt gatnaatcga gcanaattgt tatanaaaaa tacctaaaca   180

cttcaatgcn agttcggttt tgtgattctc atgttcaaaa ttgaactgag tcaaattgga   240

aacgtaacta aatttatatt agtcttattt tgtcttcttt ntttactgca attcctatat   300

atttatcttg aaatacaatt taaccttatt tgaacttata ttattatttc tgaataactt   360

gaagataatn tgcaatntag tctgtgattt agatcaagtt gtggtttat gaccagaatt   420

aatagtttga aatgatattt ctgtatatgc attatg   456

<210>   30691
<211>   465
<212>   DNA
<213>   Glycine max

ggatgtgatt ggggacctga gactcaaacn tataaaaccc ngaatggaca tccggtgaac   60

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tgcgccatat atggacattc gagttaaatg ttatgaccct ttaaatatct caagagctta   180

cttggtaaat ttcgagcctc taacatatta tgcgccccag tcggacatac gtgtgaagag   240

ctatggccat tgaaacatct gcgacagtta tcgatgataa atttcgagct gatcggtatt 300

ataatagccc tgaatcggac atccgagtgt aaagatatga ccatttgata ttctcaagct 360

ctttccgtga tgcatttgta gcctcttaga atataatgcg cccgatatag aatccgtgtg 420

aaaagttatg atttataaag tctcagaagt ttcgagtaca ttccg 465

<210>   30692
<211>   358
<212>   DNA
<213>   Glycine max

<400>   30692

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attttatagt ttttagcata aaagtttagt ttaaattctt tttgaaatta tcacttatac 120

atgttatctc aacaatgctt caattctgaa cttaattcag gctaacatta acctcccata 180

cttccatggg aaggataatg tagaggctta tttagattgg caaatgaagg ttgagcaatg 240

aatgttcctt tagctaccct tagcttccaa gggtatgctc tctataggtg gacttcactt 300

gttatggaaa gaaacattca ttgggatcct ctaatagagt attggaatga cttgaaaa 358

<210>   30693
<211>   395
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30693

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acgggccacg agcatagaat cgcggatgag tatgctcaag tatatgcgga aaaagaggct 120

agaggaaggg tgatcgactc tttacaccaa gaggcaacca tatggatgga ccggttngct 180

cttaccttga acgggagtca agaactatca cgcttgttag ccaaggccaa ggcgatggca 240

gacacctact ccacccncga agagattcat gggcttctcg gctattgcag catatgataa 300

cttaatggcc acataataga aatcgtatgg acttgatggc tctcaacctc actgatacga 360

ctcttttga ataaatgagt ggtcatgttc tctcg 395

<210>   30694

<211> 207
<212> DNA
<213> Glycine max

<400> 30694

aaaattgatt ctcatcaccg aagctgtgcc tttatggaga atcctccttc ggcttatcga   60

ttctatgtgg ataatggcga cagactgtgc atattcttca tcttatgcat attttctatt   120

gttctgccct tgagctctca gaaagtcaac aatggtgggt cttgaatttg catcctgcat   180

gatacatacc aagtgtccat ggcttgg   207

<210> 30695
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30695

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gcacnaaatt gaaggaacaa aagagggaga gaagtggaac tttgaagtat gtctcacaag   120

actctcattc atcaaagtta caacaagtgt tacacatgct tctatgtata gactaggtag   180

cttccttgag aagctntctt aagaaaactt ccttgagaag cttctttgag aaaacttgct   240

tgagaagcta gagcttagct acacacaccc atctaaaaac taagctcacc tccttgagaa   300

gcttccttga gaagctagag cttagctaca cacacccatc t   341

<210> 30696
<211> 341
<212> DNA
<213> Glycine max

<400> 30696

gaataccatt tttcggggaa aaaatgaaat cgacagagaa aagaaaaaat acaatacggc   60

gaaggtaatt atgcaagcac aactatggga cattctcttg tggtactact ctcgtgtgaa   120

atagggattt cacataactg atattgaatt tggctcattt tttatagacg atctgacatg   180

aactctcatc ctttggtgct cctctaatcc atcgaagtat gactctaatc ttgagtcttt   240

ctttctggta taaactaatc ttgagtctga atgggtggtt aagtaaattt ctaattgaaa   300

tgatactcta atctaaaatt taaactccaa agggtataac t   341

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<210>      30697
<211>      343
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30697

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tttatggtta acgctgtctc tagaagattt ccattggatt taatgatgaa atctgtgcat     120

tctcaagtga aaaaaaaggc taagttttga attgcaaaaa gtagcagttg ggctaagctc     180

aacagttggg ctaagcgcaa cttcagcgcg cttagcgcaa aggagaattt ggtagagcat     240

cagcatcaaa gttgcgcgct aagcgcgaga ttagtgcgct aagcgtagta ggtgccttca     300

gccaggctaa gcgcgaaact ggtgctaagc tcaattccac tta                      343


<210>      30698
<211>      208
<212>      DNA
<213>      Glycine max

<400>      30698

agcttctata ctaccccatt tctctcccgc tttgggacat cgataagcca aagttcgtgg      60

caaccaacac aagatgatat aactaaagtg tacataatca atcataagtc acaaccagat     120

ataagccaat cgtccataag atgaaaccaa atatagtcca agcataaata acgtataacc     180

aagtataatg caagcgtaaa agactaag                                        208


<210>      30699
<211>      401
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30699

catcaagctt gtgttcgctt agactacatc gcatctacac cttttgtacc aggggcaagc      60

gagcttgtna cacgcagaga ctacatcgtc ttctgcacct tttgtcatcc agagacggcg     120

agtccgatga catgcggagg taccttatgg ttatccgcac cttttgtcag ccagaggcaa     180

gcgagcccgt tgacacgcag agactaacat cgtcatctgc accttttgtc aaccaggggc     240
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aagcaagctt gttgacacgc agagactaac gttgtcttct gcaccttttg tcatccagag  300

acggcgagtc tgatgacatg cgagggtacc ttatggttat ccgcaccttt tgtcatccag  360

agacngcgtg tccgatgaca ttcngnggta ccatatggtt a                      401


<210>    30700
<211>    522
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30700

tgatattatt tatctanggc atntcccatt ttaccttang tggcggaaga aagtcanaga   60

gagctgtnga cntctcnnga ttcttattcg cttagacncn natatcgcat gggggggagng  120

gcgttgctat ggccctggaa taatcgaaaa catagtatgt agtatgttgc ctcggtanga  180

aaactaaacc ttgtgcccan agatcccgtc tctctatact tctcattcac cttatgttat  240

ttcatatcgc agaaaacact cttggctttc catacgcgcg tgctttgtga atgcaaactt  300

gatatgaagt taccgcacta ctnatcatct tgagcgttat actcaacgaa ccacttgtgt  360

gaaactggga tgttataata aggcctagat atcgtggagg tctaagtata acgacaactc  420

gcgaagtcaa tgtgggctta cctgcgaaat acatgtggga catgttacat gagcccaaca  480

aactcagggt ctcttttgtt tcaactaaga acgaacgtgt tg                      522


<210>    30701
<211>    319
<212>    DNA
<213>    Glycine max

<400>    30701

tcagcaacta tggctattgc tacgcccact ctctctctcc atttcgccaa attccccatt   60

cgtcaaacgg attcatcttc tccaatacgc catcgcagcc cttctggccg acggttgaat  120

ctctattacc ctcgtagttc tcaaaggtta cttttttttt gtttgttctt ggttaaatga  180

aattgaaatt tcgaatttgg attctgagtt aaatgttaac cggtggttgt ttgatatctc  240

cttctgttct attggttaca gaattgcgtg ttggcactga tgtgcatttg gatcattgtt  300

gcaccgatgg ggatggggga                                              319
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<210>   30702
<211>   506
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30702

aaaaaaacgc ggggacggaa ctgagcanag cactncaann cnctnngaac cgggatcctc   60

tgagtcacct gcggcatgca agctgccatt ggtatttgat ggtgcgatca tccactgaga   120

ctaggcaagg ccggaccctn ctatacaagg aggctatggt attcaaagaa ctgtgtaatt   180

tttaaaaccc aactaaaatg gtttgagccg tcaaatcttg gaacatctag tttcattctt   240

ggtggatagg ttaagtgggt tcgtggtgca agtatgactg aagacgacta acgtgaagct   300

gtctgtggtg aagtgtttct atggtggtga cactgtgtta aggtcatcaa gtttctcact   360

aacgtggaat ctgttagatg ccaatatggc gatagctctc tctatgcgat cctattggat   420

atggaccgcc ttnattcacg catggtgagt ctctatttga agcacactag atggtctgag   480

ctgacatcaa tgctatattc tacgcg   506

<210>   30703
<211>   93
<212>   DNA
<213>   Glycine max

<400>   30703

gtttgtgggt agtaatttga ctgatatgta ttcaaagtgc ggggagttgt ctgatgcatg   60

taaagctttt gaggaaatgc cttgttaaga tgc   93

<210>   30704
<211>   359
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30704

agctntgatc canaatcctg actcaccata naccttgacc caaggtgaga atgccaatcc   60

ttatcctcgg aagcaaaaaa agaggagaag aaaatttcca atcaaaggaa aaaggagaag   120

aaaatntcca atcaaagaac aagagaaaga aaatttccaa tcaaaggaaa aaaggaagc   180

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aaagaaattc ccaatcaaag agtgggagaa agaaaaaaag aaaagaaagg aaattcccaa    240

ccaaagaatg ggagaaagta aaaaagaaga aagctcctga tcgaaagaaa acagaagaaa    300

tgtgcagaga ggtctttgga ccggacaata tctgaacaat acagaattgt caccaaatg     359


<210>      30705
<211>      220
<212>      DNA
<213>      Glycine max

<400>      30705

aacgttctct tgcacaagac atttatatca aagaatgcac ccatatacaa tcaaggcagc     60

ttcgtcatct agattattta cacgtacctc caatgtgtat ttgtaactta tatcacacac    120

atctccttgg ctaaattcac atacatgcat actcaaagca tgtaggggta ccaaaaattg    180

cacatgtgca cctctttgca tatctaatac ctatacatac                          220


<210>      30706
<211>      386
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30706

ctcacattca ctatcttcta catcatattc aaagttgtct aaataaataa taaagtcatc     60

tcgactcata gaaaatcata taagtctcat acaattaata tagaacctat atcctaatgt    120

cacatcctat cagagcgtgg tgttcccgtg tcctctagca tgaggttctt catagtcatc    180

cacctattca tctgctcccc cgaacacaag ttcaagatca tcacangatc caaacacaac    240

aacacacagg gagtgagtta tcacattcct atgctataga gaaacatgac aattatatat    300

acatattata taaatgagat accacttgct taaacatagc tcacgtaact tcaccacttc    360

atcattcaaa attcactctt caatta                                         386


<210>      30707
<211>      450
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30707
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atttacaaca gtgttacaac agaacctaac tgtntctaat tatatgggcc attaaatcta   60

tcatgtgttg acagtaattg attagcccgt gaatttcctc tggagctgaa cacacttcgg   120

ccatggccct tgctgtggct agtacatgcc ggagctcttg acttccattt aaggtcaagg   180

cgaacctatc catccacatg gtcacttctt gatgcaatgc atcaatcacc ctacctcttg   240

ctgtcttctc ggcgtatgct tgtgcgaaga cctctactag ctttttctca tgggtcaaag   300

attggtttaa ctcttctatg tactgcccta atatagctat aacctgcttt gcttcttggc   360

ttctaagcgt gtagccaaac tattcttgga tctgagcaac cagtaactcc tcctttagac   420

atgccatgac ctctgattgg tcttttcctc   450

<210>   30708
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30708

tgaaaccttg tacactggaa tccagttagt ccctggatct ctgagcacct gcggagcagg · 60

aattttaact ttgacagtcc agttcagcgt ggcacatttg tatggtgtct gtggcaacga   120

tgctgctcct gagatagcct acttcatact agatgaacct acatagtgtg gagcccactg   180

cccccggtgg ggctttgaac gctgtacact gaatttagca caatgacccc catcctgaac   240

tggagcggtg cacccgctgg tttaagaatt catgactccc tatgagatat ggcgcgctga   300

ctattgggga cagtcatgac gttggggaga ttaactgaca aagcgcgctg gggacactct   360

gatggtacgc gctaactcag tgggttatta caaaggaccg tgtccttaat gggtccgagc   420

ttggtccgcn   430

<210>   30709
<211>   221
<212>   DNA
<213>   Glycine max

<400>   30709

actggccagg cccaaacaca catgcaagac aaagtgagcg aaaccgagca gcgcgcagag   60

aaaaaacgca gactgacagc tgaaccagta cctgacgcag aacaacacga atggaaacc   120

ccagcggaga cacgcacggg cggcccaccc cccgagacag aacagggcga cacaggcccc   180

cacaacgaga ggcaaccacg acccagaacc ggacacgcga c

<210>   30710
<211>   299
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30710

agctngcatt atatcttatc cgagattcat tatcagatga actatccaag atagcatcaa   60

catacttctt aaaaaggtgc tctccaagga ttttccatct tttggcttca atttaacatg   120

agccctaccc tgaaaagctt caacaagtac ctaccttgtt ctaaagagag ttatcttaag   180

aaatctaaca tactcttggg atggaggtgg ngcgctctat acttccatgg ccacattagc   240

aacaacaaca cgtgcctcat catcaaaatt cacctcttca atgatggatt gtacaggat   299

<210>   30711
<211>   247
<212>   DNA
<213>   Glycine max

<400>   30711

tctatccttc ctaagatgga gcctttccca ctcactctca ttaagaacta acggtgtcaa   60

tggattgaac ccatacacaa cctcaaaacg tgactgcttg gaggttctat gaaccaccct   120

gttgtatgcc aattctacat gacgaacata ctcatcccaa gacttatgga tgcctttcac   180

aagagccctt catacggtgg ataacgacct attcactacc tatggttgcc catcaatttg   240

                                                                   247
tggatga

<210>   30712
<211>   357
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30712

agcttctctc ntttcttgtt taattattat attctgtttg taagccttgt attttgctat   60

gtttttatga catttgaaca cttagtattt cttttaaata tttgtttagt atgactaaac   120

atgatgatta cttgctcttg gttgattatg gttatgagtt ttaaacttaa ttattttgat   180

gatatatgat tagtggtatg tacttttatt tggttattat gaatgactct ctggattata   240

tgacattcta tgaagtatta tctttctaag atngatgaat gtgtaagtta tcttggttga   300

tagatctcta ttctcttgta tgattagaaa tttatgtatg tttatatatg tacgcac   357

<210>   30713
<211>   203
<212>   DNA
<213>   Glycine max

<400>   30713

aaagaatgtg actcttccaa ttgaatatgc atatctatgt tcacacacac tattgatcga   60

ctaccaaaca gatgtaattg attacatcat ttcgatatta tttggaacgt tgcacattca   120

gtttgtaagc ttttcgaaaa ccatttagct attggtaatt gattacaata atctggtaat   180

cgattactag acagtaaata ctc   203

<210>   30714
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30714

tttctacatt tttcaagacc gacggccngc tttgtttttag cggacacaat cagacagccg   60

agngagaagt gatcgccgag cgaacngact ccgacactaa acagtcaata tcgagcgtcc   120

tgatataatc cgggactcac tcagacatgc gattaataaa gtcgttgtcg tttgaatgtg   180

ctgagatcat taaactttca ttttgaacgt cttcatatat taccgcactc aatatgacat   240

ccgagtcata agttattgtc gtttcggtct gtaccgaacc tctgcatact gtttcaaaca   300

tctcgaattt tacgaaactt tttatacatg tgagaaacag tttttaccag tcgtatctgc   360

ttgcaactct tctattttta atcgcggtta tatatcacn   399

<210>   30715
<211>   496
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30715

tgaaaccctg ttgancccct gaaanacttg ataccatggt gacacccgca ccatanagtc   60

acaataccgg cacnagctct ttttcccggt tatttgattc cggccgcaag tttttgttgt   120

atgctgaggg cgacacgcca ccgggcgagc tacttgatgg tatagatcac acacccaggt   180

cctgtgcatg tgctataaga taccgcacta ctcaatctag cttaatagat gagagcaacc   240

atggatcaaa aggttctttt cgaagcgagg gatcagatac tagtcgactg gtgacgccta   300

gccaagtttt atgcacaaac ttaggacact tgctcaggtg gatacgctcg gtctctcacg   360

tgcgggatta tcaatgaaaa atgaatgtct ccattgtcgc tagtatatat tgaccgctga   420

aatgatcggg cgataatatt tggccgtact atagaaggaa atagaagtgt catataaacg   480

                                                                    496
ctcaactagg cctccc

<210>   30716
<211>   453
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30716

tgaaaccttg aacactgaaa acnggtgatt cactggacac gggagactta gagcgactgc   60

ggcaagcttt ctaattcgtc ggcagcaaca gtgtttctca tcgctctaca tgacatagat   120

atctacgctg caaacaaatg gtactaatac atcatctact cttatatcaa cacaacgcta   180

ttgggctatg catcacatct ctctgcggag ctctgcgttg gcatgctagc tcattaaaat   240

gggagcgtac aagcctgaca ccatgctaga gaagtctgga tagcgacgta gttctttagc   300

tcttgtacca catcgtgagc tgatgacatg gcaccattgg ctgagagacg cccgatacta   360

acatattgaa cttcgctgta ctatattaca tgagtgtata tcaagaccaa ggcacggctc   420

                                                                    453
tactgacgga tagagagccc agacactgac tgc

<210>   30717
<211>   348
<212>   DNA
<213>   Glycine max

<400>   30717

cgccaaccct ggcacttgcg gcaactacgc cgcccagagg ctaactgtga ccttaacacg   60

ctgggacccg cgacagagca gcagttgctc agtatcacac cggccactgc cggcaacgtc   120

aaacagatga cactagaccc cccggcgacc gacatacagc gggcggcggt caggaaggaa   180

aagcgcccaa tatgctgcaa ccgaacaccc aactcaatcc gaaaaggggg aagaacccaa   240

aaccgcaagc cgacgaaata cccgaatcgc cccgatgcga aaacgatcag ccaacgcgca   300

cccgaacgtc atgatacacg cagacccctc gcacacaaag tcaccaac   348

<210>   30718
<211>   376
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30718

tgtagattgt tagtggtgat gaggaaaaag tccctcagca tcgaaggcta gctacatcga   60

cacgtagaca acaaacaact atagatgttg caaaggatgt tgagaatgtg gataatgttg   120

ctgatgagcc tcatgaggag cctcacaatc tagttacaaa ggatgtaggt ggtgattcac   180

agggttttcc aggcgggtcc caagatacat caatgttgat gtcatatgtt gatcatgtgg   240

tagccaaagt gtggatagga gaggtagtta tttgtttaat taaaacttat ttaaataact   300

atttatcatt ntaatttaca tanaataaat ttaattattt ttaaaacaat actgagttga   360

agttggcctc tcatgg   376

<210>   30719
<211>   444
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30719

ntatgagaat ccgcattcaa aagcaccatg aatattcaat tatatgattn ttaattatta   60

attaataata taattaatta actttntaaa cattattttt aatttttttt ttcacaaact   120

aaaagagaga taaaagataa tagaaggctc tgagatgaaa gaaacatata cttttaattg   180

tggagtaatt ttgaaaaaaa aattgattat tctattactt ttaattgttt gataccattt   240

gtcattaaga tatccttcaa taggaacttt cttatttcca accattgaga gattaccctc   300

gttggccaat gagaagaaag gcaaaatcaa agtntgtttt tggttttaat accccgtcta   360

gatatggaga cgagaaaaag gtaaaatgat taaaatcacg tcgaaataca attataatta   420

caaatctgtt gtctagcaca atct   444

<210>   30720
<211>   379
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30720

agctggtatg ataatggggt acccatcaca tgtggtacta ngtggcggtc gggcgatggt   60

gcacaacaag tttttcacat ccacaatgca cgcataaacc caccatcccc tgttgcccac   120

ctccaactga gctcgcgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt   180

ccccatcaat cctcccaagc ttccacaaca tccgagcaaa acaacattca gacagcacaa   240

gctatcacag ccaagcaaaa cagagcaaag gcagaatact ctgctcaaca catcaaccaa   300

aatcacatgc tttctcactt aaagaccaca ggtacaattc ctcctatcca attcgttaac   360

cgttggatcg actccaaat   379

<210>   30721
<211>   158
<212>   DNA
<213>   Glycine max

<400>   30721

actcacttac actgttgttc cttttttctg tgtgtttata atgatattaa tttagctgct   60

atttttttgag ggaacacacc actatttttt gtttgattca ctcacccaat atgggtaatt   120

gatatatgga ttgttatttg gaactggaat ctttggat   158

<210>   30722
<211>   373
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30722

agcttgtgat tgcatttggg cgtctatttc gactttccta tgctgtctct acatacataa   60

aacagcccca ccatcccaat tttgcaaaat catatatcat tggggcattt caccgagcac   120

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ttgatgggcg catgtttgga cataaattgc aagagaatgg gggcaatgtg gcatgcccca  180

ttgcttcaga atacaacata ngcctaaggc cttctcattc aaatactcaa ctccacaaaa  240

caagcatgga ttcagatgca aattgcttca cgaattntac aaaaaatgag caactatagc  300

accaaaacac atcaatggag agccaaataa ccaagggaaa ttgcacttac ttgtggggag  360

                                                                    373
tgatttatag cgt
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<210>      30723
<211>      1072
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30723
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caaataatag anacccacgt cgncgntcnt acnacnnctc cncnnccccc cccaaggatg   120

atgcagcagc gttttgcanc nnactagttn gngttgtaga aaactccnta ctctgcgang   180

ancatacgtc antancnncg cntgtantcg acancagatc gacgtctacg atngacgata   240

ncgacaacat cagcntatta cggagcgacc agaccgatct gtactngtgc gtcgcatttt   300

gantcgacat ctgcantgaa ctaagccacg gtcctgngtg acatccatcc atgtancgta   360

tatgtacgta ctaagntaca catactaatg tccgnctgcg ttgataacta cganancgtg   420

cgttgtactg catcagactc atacgagcgt cgacntcatc tatctgtcct gtgnganana   480

tcgtacactg ctcgatatgc tgctanagtc agtcgatagc tgcagtgatt acgcgtcgaa   540

tgtactgtgn gaccngacga gtatgcatgc gngcatgacg cacacatact ccctccgtcg   600

ctctgntgcn tcantnaagc gtacgcgatg agatcagcta ngacgcantc atcacgcgaa   660

tcatagtcgc gcatgcagat cgagcatacg tcgataagtc tcgacacggc tgcgacntat   720

cgtgcactac atcgtctatg actgaagtcg gtgtaatcga tgactcatga tatcgcantn   780

ancatataga tgatcggaca cacagntcta cgagtatgtg tatcgtgtca acatgcgtat   840

gaacaagtgt caacatgcac nagacgtacg tctccgntgc gatgaatatg gatgactagc   900

ctacgtctac gctcactact gtanagtcgt cagccgacac tgctatactc tnatagtgcg   960

aagagtatcg catacacgaa cgagtatang cgctgcacgc acncgatccg antgngtcta  1020

cngngctcct aacgtgatac gcataccgca gactctggcg cacacgtact cg           1072
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<210>   30724
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30724

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tttatatgtt gggggttaaa agatgtttca gattccatgc tatcttcttt tcagttgcag   120

ctttatgcca aatcaagtca ctacttgaat aaaaccaatg ggatgctgag cttcactagc   180

gaattgatag gtaaagaata tagaatgtga tactaagtaa aaggtattca aacaaaagga   240

taaagaggaa cggcacatag tgggcatttt cctaaataaa gtataaaagc atatgttctg   300

aatgttntcc ctcataaaat attattgacc attgcatttc acaatntgtt aatacctctg   360

                                                                    391
cttcctctcc attttctgat cactnttcta c

<210>   30725
<211>   505
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30725

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tggtgtcgac aagacatcac atgtntgtca tcatcaaaaa tgtggagaat gtgaatgtct   120

cccnncnccc ttttcttcta ttcgtacata taatactaca atgctgcctc acctgattat   180

cactttgctt ccaatactat tttatactgc tccacccaac aatcctctgt actcacattc   240

gctcaaatcc atccttgaca ttcgcaaccc tctttctctc tgacccagtt tccgctttga   300

tctcctacaa tctaatcttc tactcactcg ctatgtcacc gtcgcgcatt tccggcctct   360

gcaccctgcg caaccctcct cgctcccgtc ttccgatctc gtccggaata aagcccgatc   420

ccataacctc ccctatactt atccagtccc aatctcgcta tccttgccgt accacctcac   480

                                                                    505
ctatcgtctc tccctgtcac cctcc

<210>   30726
<211>   359

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30726

agctntgatt caaaattctg actcaccata aaccttgacc caaggtgaga atgccaatcc   60

ttatcctcgg aagcaaaaaa agaggagaag aanatttcca atcaaaggaa aaaggagaag 120

aaaatttcca atcaaagaac aagagaaaga aaatttccaa tcaaaggaaa aaaaggaagc 180

aaagaaattc ccaatcaaag agtgggagaa agaaaaaaag aaaagaaagg aaattcccaa 240

ccaaagaatg ggagaaagta aaaaagaaga aagctcctga tcgaaagaaa acagaagaaa 300

tgtgcagaga ggtctttgga ccggacaata tctgaacaat acagaattgt caccaaatg   359

<210>   30727
<211>   466
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30727

gcttatgcgc atatttcctt acaaacgttc tcttgcacaa gacatttatt cgaanaaatg   60

cacccatata caatcaaggc agcttcgtca tctagattat ttacacgtac ctccaaggtg 120

tatttgttac ttatatcaca cacatctcct tggctaaatt cacatacatg catactcaaa 180

gcattttggg gtaccaaaaa ttgcacatgt gcacctcttg gcatttctaa tacctataca 240

tacgcaaact ttatgatgaa tcttgactat ccacacaata aggtgctaca tttcatgcct 300

cttttttcaag tttttgctac ctanagccgc atgcanaatc aagcatattt tcctttgctg 360

actaaaattg tattcaaatt aaaaggtata nttttttgtaa tatgttntct tcacataaca 420

tngcacatat ntatatatan tttttttttg tgagaacatt tgacta   466

<210>   30728
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30728

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tggcaattag aatatattaa atgttcttgt atgttgacat gggtaatagg atactttcta    120

cacatgcgcg tgtgcataaa tggattacat gagtttggtc taaatcagaa gggctagcac    180

gacatttttg cgttaatata agcattatct tgtaaaacta acttctanat gtttgttctc    240

gcaggaaatg gccccgagga aacttgcctc anagagatcc angaaggata aagcggccga    300

aggaactagt tctgctcccg agtatgatag tcaccgcttt aggagcgctg aacaccagca    360

gcgcttcagg gccatcaggg atggtcattt ctccgggag                           399


<210>      30729
<211>      408
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30729

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cacctactgc gctaagcccg gatgctcatt ggaatttgaa acttcaaatt gggcttagcg    120

tgaggttagg ctaagtgcat gggctttaaa ctcaaatgtc atattggcat gctaagtgcg    180

ccaaacaaaa atgctaaaat gaattagaac ttccataggt ggttaccttt acacaaaact    240

tttgcttctt ttgctgagct ctccttctgt gtgtgagcat tatgctgttg tgcctcaagt    300

actttctaca tcttcttgca tttaattccc atccaagtaa gtagtgcttc atttccattn    360

tcatactgtg aaacttagga tagacgatgt cttgctttgt tagcttgc                 408


<210>      30730
<211>      313
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30730

agcttgaata tctntgatct accaaagaaa ctaatgagaa gaataaagat ttcttgtact     60

catctgctac agacataatg taagagctan aagggccctc tcaagaagtg cagacacctt    120

gagtttgctc aaaaagagtc tatgaattgc ttatctacat ggatcgatgc ctnttatgga    180

attgaacaga gtcatttttat tcgatatgct aaattcttca ttggtgtaga atcttaaaca    240

atgcttttct atttttttttt gattgttaac aattcacgta atctctttttt gaacaaattg    300
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caccctaatt tct

<210>   30731
<211>   489
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30731

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aaatctgacc cattaagccc atgaacctag gtggctttgc gaataacaaa cttctcttta   120

ttaagatcca tatatttgta ttgagtttta gggtctgacc cgtgaactta gtaaacttta   180

tccatgaact cgtgaagtat ccatngaatc cgcctaatat gtgtaagtat ttataatttg   240

gtatgttaaa gttatggtca atntacattg tgattgctaa tttgtagtgt ataaaatatt   300

aatatgattt agtgtgatag atcttagctt agaaaatgat ttcatttgtt tcttcaaatt   360

ttatatatat tcactttttt tttaaaaata acttataata aatactttgt tttcaatata   420

tcatgtgtca gggcggtcca tgtatttgcg ggctttacga atcagatatg aattcttaga   480

aaaagtcta   489

<210>   30732
<211>   362
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30732

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tgggcccgtt gctactgcct ctgagttctt tgtccttctg ttgcaccatc tcccacgcct   120

tgtggacctt ctgaagtgcc tccacgttgg tcttattgaa gcctcgtgca atatcaggtg   180

tgagctttta ctctagtggt gctcctctca tagggtagcc aagctgtctt atagcaagaa   240

cgggattgta actgatgcaa cccccttgtcc ccatcaaggg aacatatgga aatcttccgc   300

acgaaataaa agtcctggtt cttccttctt tcatcgaggg aaccagtcac agacactcct   360

tc   362

<210>   30733

<211> 174
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   30733

attactacac tcgattaaca cgtcttacct atcnatgttc caatcataat gtttctcgtt   60

gcatccaacg ttcgtctgta acagtcaacg tttaaattcg ggcttggcga tctaacttat   120

gggattggac ataaatggac aactaaatct gtgaattaca ttaacaggga ctta   174

<210>   30734
<211>   364
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30734

tatctntgat ttcccgaaaa ctcacctcgt tttatctgtg cattccaaat tctcaaaaga   60

gtcagtcttg tggcatatca nattgcatta cctccgtgtc tttctaacct ccacaatgtc   120

tttcacatgt ctcatctcca taaatatatc catgatccat ctcacatggt cgaattagat   180

gaagttcaag tgaaggagaa cttgacatat gaaacatttg ctttgaggat cgaggatagg   240

cagacaaagc acttaagaac gaaagagatt ttattggtca aggcagtctg gggaggtgct   300

ttacgatagg aggcaatttg ggaactagag attcaaatgc gagaagccta tcctgtcttg   360

tctg   364

<210>   30735
<211>   302
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30735

gccctgaact gtgacctgan ctcaccctag aacgcgaagg ggntcaaaaa ttgttaaatt   60

tcgacccgga ggatcgtaaa tcaacgcggc cctgtggcaa tatgaatctc tggggcgtag   120

actgatttat acgttgagag gaccgatgaa tctgacttag cagtaacctt attgttgcct   180

ctagttgaaa atgcaagtgt tgatggactt atcatcgtgg ttgacgttct cttaaaaaat   240

ctgataagcg agagagttta atgcttggct tgagctcagc gagttagtgt gcgtgggaaa   300

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<210>      30736
<211>      360
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30736

tgcttgagtg tgtagatgat gcaagtgact gagacaaaga ggatgagaaa gacaagaagt   60

tctggtaatg ttgggtgcta tggtgcaatg ggagtggcag ttgtggagag gtgtggcgac  120

agagatctca cgtgacattt tgggaaccct agaggtaaga atagagaaaa acatttnata  180

accaagaatt taaagcgcca gagaatataa agtgggagct acatattgaa caaagagaag  240

aacattctaa gacggttttt acaaaaccgt cttggaatga cagtcttcta aaacgatgtt  300

cacaaaactg tctctgttga anaatccata tntacaaaga tgtcactgtc ttatatacta  360


<210>      30737
<211>      187
<212>      DNA
<213>      Glycine max

<400>      30737

cctacttact tatactaacc caatcgcagc attaagcccc agttgttctg aaatgaagag   60

gcactccccg tatatagtaa gtaccatccc ggtttcacct ttctagctgc cgttctctta  120

cactttacag ctacgaaatc accttcaatc tactaaatta taccattttc tataccatta  180

gtcgtca                                                            187


<210>      30738
<211>      315
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30738

tgcttggtta ttatgtaata tgaatttcga catactatga aagaaggttc tgaattctga   60

tgatacccat aatcttgtta ggtgcccgtc actgtcagaa tatatatcct tatggtgcat  120

taagttaatc tttcattatt tcaacttcaa tgttaacagt gttattatca cgatgagaag  180
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gtgcgattat ntcgatatcc tgatcgtttc tttagtttaa gatatatttt ttgttgatat   240

acacttaatt tggttcanaa caagttattt ataatataac aattatataa aaaaactaac   300

tgatagatta tcatt   315

<210>   30739
<211>   368
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30739

tatagattat ctagttgcca ctcatgcaac catttctgtg tcacttgcac acaaagagaa   60

ngtagtcttt attctttggt gtatccttct attatccttg ctaattgtta tgggaatctc   120

tttctaccta ggcaactatg tgctgatcac aatatacata ttattgtaat gctcttaacg   180

tattatcaat cccagcaatg gaacaaagct caagcgtgct gtaaatggt ggtcatcaag   240

atatgggaca acttcaagac gttctgtgaa aggaatatct ctcctttaac tgctggaatg   300

tgacatgtga ttaagcaaag aactacagtc tgtgtctatg aggtaaaaat cagtcttgcc   360

tcctttga   368

<210>   30740
<211>   767
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30740

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nttttacctc cccacccccn cccnccaacg agagcgcgca gttggagaac anctagntag   120

agcactcctc tacgtactgt gcanactgan acatatgatc gtcaaacanc tgntgtaggg   180

actatctnca gctaatgacg tgatatctnc aatcatatgt gtatcatcac atctgtcgna   240

ctatatacgc ctgtaaatgt ctgccgatca gcanggtact gagtattact tatctcagtc   300

tagcaanact cgcgacgcgc tcagatacga cacaaaccgc atcaatacag ttgagactac   360

cgtcgtcagt cgacntaatc attatcgtgc tgacattcgt ctgcgacgta aaaactcact   420

cacggatagg cgcacgcacg aagtgcaact caaggatcga acagaatgcc aaccagatat   480

12817

ctcgatacac gacatgcatg tactcgccgc aaactaactg acgagacgaa gatcgtatac   540

cagatctgat gaagctgcga cggcgaaact ccattgacca gactcgcnac tacaggcggg   600

cgataatcgg tcgcgggacc attctgtagg gcgcaacaac aacgacgatg cgtnttctca   660

ctgagtgcga gaagacanac aaatcgtaca tacgtgaggg cgaactacgt ccgtcgacga   720

gtacatccgc atggagctta atcacctcgc ctagaactaa tccatcg   767

<210>   30741
<211>   302
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30741

ctgctttttg tcttgcgagt tgattntagc cttattttca ccttacttat tagtcaattc   60

aattaagaat gagaaatccc atagagaaaa atgtccgatt gattttccgc tctattttac   120

taaaagatga ttttttttatt attatattat cttatacctc tttttgatta ccaatgtgat   180

tacttgacga ccgaacggtc gtaatttatt ttaaccgaag ttaacggata atacaattca   240

actttcggtg gatatttttt tattnttaag tcaagcgaga aatgacttaa gctaaatggc   300

tt   302

<210>   30742
<211>   376
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30742

gttgcattgg aattgcgaaa gccccactcc atctttagga tntgtttctg ccatctcana   60

caaacaaatc agacgtaaca agacaattat agttgctgtt tgaatacctc actcactcaa   120

gtgtatcaca caattatggt ttttctctaa tgaaacactc ttgccttta ccactctaat   180

tccccttgag ttcttatgca attcaagaga ttatggccac aacagagaac aattcaccaa   240

tatgtgtaag gtaaggctag agaaacancg aaaaggttaa ccaagaaaaa ggctaacaat   300

gtttttaggc acaaatgaac gaaacaaatt tcagacttta tgaattcaag taacaatcct   360

tcatgcaacc aatata   376

<210>	30743
<211>	388
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	30743

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aattganatt ggagaatgca agattgacaa tgggaatgag aatgtgaaaa ttatgtgcaa	120

attgcttcct atgtgaccaa tttataggac ccaattntaa aaaagtttaa tgtaaaaaaa	180

atataaaaaa ttaaaacata acatgcatcc aaaattcaca gagcaattgt caattgtatg	240

caacgttcta aaattcatag agtaacggtc aattgtggca aattgtcttt cttttctgca	300

ttctttctct ttnttctttc tttctttctc ttcttccccc ttccaaaacc cacctcctat	360

tgccctattt tctcttctct tctttctt	388

<210>	30744
<211>	439
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	30744

ntanagcaca acatcacaga atctaggtgt ccaacacccc tcaattaatg ggttntctaa	60

gtttgtgaag tgaaattgag aatgaggtaa atttggagca aactctcacc tcacacaagt	120

ctataacatc aatctaaact tgctcaaact ggatntacac ctaaaattcc accgaatcaa	180

aatttgactc ctcaacaccc aattttgccc tagaaatggc tcttggttca ctttggtcat	240

ttgttttttcc ctctagcaca gcctaacctt tctcataagt cctaaatggc atttcaagct	300

aagattaatt cactctaacc tctacatact accaattcca gaattggcct tccagcccct	360

caaaatcact ctntntcact cataacacca catnttactt tctaagccta ggttattcta	420

cattcctctt acagtttcc	439

<210>	30745
<211>	382
<212>	DNA
<213>	Glycine max

12819

<223>   unsure at all n locations
<400>   30745

agcttgttat gtatatgtta caatgttctt aaatntctaa aaagtttta agaacaacct   60

gtctaggtaa atcttttcag aaagacttct aacacaataa gaaaagaaca gtttttcata   120

attaccttat acaccagcta atgatagaag ctctttcata ttagttttt tcaaaagata   180

tttgtaaatt atgtataaac taacattaac ttatagaaca gtttatctaa tttttttctt   240

tttattctct ttttttagta gtacttctaa atacatttat ccaaatagac ccttaatatt   300

aatatatatc aacaatactt acatccaaat tattacttag tcaaggcttg aaattattta   360

tataaaataa ccagattaat ta   382

<210>   30746
<211>   645
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30746

aggatacgca ggtgatgcgg acacngctgc gtcgtcgctg tacacatctc gggcgggang   60

antcgtgccc cactcagcat gagagatgtt ggangccatg ggaacagccg ccatgtgcac   120

gatatcactc agcggtatta cgcaacgcgc cgatacaaac atcgacacga cgngtctgta   180

cggtcgtgtg tctcagcgca aggcggttgg atatgtggac gtgtccatca cttatcaaga   240

gtgatctctc tgtcggtgca gaactatcag tgtcaggtaa taacacgagc agagtacata   300

cttggcgtga actagtactg gacggtaata cagcgggcga gacgattgtg cagtgtctat   360

ggccgcggac tcacatgtcc gcacgaaaac ggatgcgacg gttcgagtcg cgcgcatgct   420

cctgagcatc agatcagccc acagcatcac tggcatacat cgcgtggagg ctatcgcgcg   480

acgcttgaca atgtcgagcg ctcacacgcg aggtccgaac aagtacgact accgcgcgct   540

ctctcaacag cgctccacgg acgcaccgag cagaaatcgt tcgcgagaga tcggccggct   600

gaagttagtc ggcggactat ctcgtggcca ttcacgaatg gaacg   645

<210>   30747
<211>   311
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30747

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tttccgccat caccactcgg gaaccgtcgg ggcttggaag gggttaatgc gtcggtggcg   120

gaaatatgaa tgcggcgtcg tttaaggtag ttcgagtttg gcgcacctgc agtgtgtgaa   180

tgtacatgaa ctgcttggct ttttgtttac gtcttcggag cagagaaaca actccaaaag   240

tcatcgatat cgggcatagg tggtgcaacg tgtgacccgg cccaaattgt tgtgccgcaa   300

                                                                     311
cacctgcgtt g

<210>   30748
<211>   377
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30748

taatgaaata naatagaaca gaagtcataa aaacaaacat ccatgatctc attaatctct   60

ctnccccatg aaatcctcac ataaatatca ttctgtacat ctcacttaca aaggttgtgt   120

cggagaataa taaaactaag atcaaaccca taaggcatca ctaattacat gtgttggaac   180

aatagagttc tcacacgcac tcactgtcac tctatgtgag agaataacag aagatgatga   240

ccaaattgat tgagagaaaa tagaggggac ttaaaatttg aaaaaaaact tctgcattct   300

catgcacact cttgcacact cttcgtttca ttgatgatca ttagtatttt tatccacact   360

                                                                     377
gcatatgtag ctattat

<210>   30749
<211>   388
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30749

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gaaaactggg gcaaatggag agggtgagaa taagggagaa gcccatgtta tgactgccat   120

tcctgtacgg ccaagtttcc catcaaccca acaatgtcat tactcaacca ataacaaacc   180

ttctccttac ctactgccat ntatccaca aaggccatcc ctaaaatcaa ccacaaagcc 240

tacctaccgc acttccaatg acaaacacca cctttagcac aaaccaaaaa caccaaccaa 300

gaagtgaatt ttgcagcgag aaagcctgta gaattcaccc caattccagt gtcctatgct 360

gacttgctcc cacatctact tgataatt   388

<210>   30750
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30750

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gtaacttta tgaatgagaa acttgtgaga tacacttcaa agttccactt ctctcccttt 120

cttccttcaa ttttccatgc cactttctcc ctctctcatt ctcattctct tagaggtgaa 180

gcttctcctt ccattgctta ttctctagtg gatgacacat cctctctcct cttctccttt 240

atcttccgct gaaactccat gcgtgaaaat cactattgaa ggaccttatt gaagctcaaa 300

gatccagctt ccatagaagc ttctcaagag agcttncatg aagtggtatc agatgacaag 360

agtttcaagt aggtgctcct taaacctcca tttaatttca actttacctt ctcctacatt 420

ggtggttctt cattatctcc at   442

<210>   30751
<211>   360
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30751

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actaaaatta attctccatt aactaaatat taattaattt atagatatca tatcatctat 120

gagagaaatt atactaaaga ggctcttatc ctcttttggg ggggttattt gctctatcta 180

gctcttgttc tctatatctt tgcaaatacc ttctcaatgg ctctgcatag tcgtcaaaac 240

caagcgaccc caaggcccag catatgtcat ccccgttcac tgtcttactc ctttccttcc 300

tgcacttctc cgacgcctcg ctggttacaa agcttatgaa ctccgacacg cactcttgca 360

<210> 30752
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30752

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tgttgtcaag acaagacaat tgtgttcaga gttggaaaac tacatgttgt tggaagtatg   60

aanatgaata attactttct tttacttcct ttattatttc tgtcacttga ttccataatt  120

atgcatgtta attgataggg acttgggtat taaagggtgc ccaagtccca catagagtag  180

tatttaagtg cttggttctc cccccttaac aactagcttt taaaggtggg ttcaccaagt  240

gcttgggtgc ttacattaat aatcctttca ccttttactc cctccattcc aaattgattg  300

atgtttaggc attaaataat ccaatatatt actattcttt caagtatcaa atccaatgag  360

                                                                   394
atataaaaca tctatccttt atgcctctat aata
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<210> 30753
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30753

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aatgacatan attattagta acacttacca ctgcatgtct caactcgtca acatcagacc  120

ttacagatgt taatggtact gctggctccc ggacctgagg gatatctgtc tctgggacct  180

gagggaacaa ctctggatgc gtagcataac catctggcan aggatctgat ggctggtccg  240

atgtcatgaa tggatgcgaa atgcggaaga actagtccat gtagtcgttg gcacactgna  300

cctgcacaac gcacatctca cctgctgcaa tcatatggtc cgaatagtgc atcccacctg  360

                                                                   394
tgtgtatatc atcanacgac acccatgaat cgat
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<210> 30754
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30754

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catcatgata aacattatac aaaagccatt cttgtggttg ctactagttt gtttcactac   120

atgcatgtat tttgtattgt tttaacactt atgttagatt gtttcattat ttgtttattc   180

tgaagttgga tttatattgc cattcattga gaatatatat tttattttaa aaaataaatg   240

gtacaaaatg attgacaact gatacaaat agaaatacat ttctttgtgc ttttgtgatc   300

aacaaanaca tgtttccatg taaaggcatt tttgtaaaaa atacctanag cataacggta   360

tactcggcaa agagaggagg tgtttcaaca attntgtgtc ttggttttc tttttt   416

<210>   30755
<211>   364
<212>   DNA
<213>   Glycine max

<400>   30755

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aaaggtacgt tctaagcttt attgatgatt attcacgtaa agcttggatc tactttttgc   120

atgaaaaatc tgaaacaaat actgtgtaca aaagcttcaa agcctgtgtt gaaaaggaag   180

ctggtatcta aattgtttgt ctaagataag atagaggtgg tgaattcacc tctaaagagt   240

gtacagaatt atgcactaat caatgtatct ctaggcaatt gacgggtgcc tacacccccac   300

aacagaaagg agtcgccgaa cgcacacacc gaactatcat gaatgttgta cgagctgtat   360

taca   364

<210>   30756
<211>   475
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30756

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agatttgaca aagctgtatg caacgggaac aattttgttc ctaatgaaat ctctctaacc   120

aagcccaaga tagaggccta tctaagattc tactcatgaa tcacagcgct gatgctgaca   180

agattatttg gcatgaggtt gtctatctct aaactggtgg ggatcagtgc actatactct   240

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cacttcaaat aatgactgat tgtccatcga ctgcggagac cttattgaac cacctgagat   300

tgcgacatgc tggattgacc cggaagagtc aatgcggtcc cagattattc ttgctatgta   360

ttcactactc tatgagatgc gccccttgtc aaaaattggt aaaccctatt agagggaaca   420

accgagaacc tctctgtgaa cgagaataca tttcttaagg gccggaaggg tttct         475
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<210> 30757
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30757

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ttgttctgaa acgaaactaa agaaacaaag gaaagggaga aaatagaaag ctaagttcta   120

agatacaaaa tgcccaaggc atttgtcggg gaattcgagg ggagtaaaca ccagacaaat   180

ttacaccaat gagccatgag caaccacata agggaattta acaccacact ttaacccaaa   240

accttaaggc tcaagtttat gggtcttctc cttacttata tggtgctcaa cttttcaact   300

tccatcctat gtgtgctcaa cttttatggg agcaaaagaa gaagctccat gctttgtcat   360

ccagtcaaca cagtcaatgg ggattcatct tcata                             395
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<210> 30758
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30758

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cagtttaaga tctcttatag ctgtcagaag gtctcttaat gagctcattt catactgtgt   120

gcaagaagag gatagactga agcacgaaag gactaaaagt gctcatgtag taagtacttc   180

taataaccag ggccaaagag aaaggactga cgagcccaag aatgaaacta ccaatggtcc   240

aacacaaaag aaacaaaatc aatgtgacaa ctggttcttt tgtagtagcg ctgacattgt   300

aagaagaaat gtccaaatat cattc                                        325
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<210> 30759
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<211>   390
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30759

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ccatcatatc tcccagaacc caatacccac aataatttat gtgagaagaa gtctacccaa   120

acctgaaatt tgaagtccca caacgtagag gtgcgcttca cgactccgaa aatggcttcc   180

ttttgcgatt tggagcagat atggtgagta aagtttggag ctttgatgga ggcttcagga   240

gaggaagaaa gggagaaaaa gcaacgtgag ggagagggaa tagcttctga acttttggct   300

gagtgaagag agatgaacgt ggctttagt ataataaggc ttcctttntt tatttttta   360

                                                                     390
caagggtatg ccacatgtct ccttttgagt

<210>   30760
<211>   495
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30760

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atagtcacgc tctggctata caacttttaa tgtgaatatt aagggatagg gctattttct   120

aatcctgctg cggagattat gactctcgcg tacatatgag aagtcaaact cacgggtttt   180

ttatatgtgt ctggcgacag actcaatgca tatgtccaac agagctaagg tcctccattg   240

gatggggaac aatcaaggct aacacgagct ctgtttatgc gtgttttact cggtgcgaat   300

actactgacc gcggacttga ttcttgcatg gaccactgtt acactgacca ggcttagtag   360

ctgctctgag ggcagatttg aaggcggcta agtttaagta ctaatgaagc gcttatgtaa   420

ccccggcgca taaaaatttc tctggcgctc gggtggggta taccgattaa cgggtttggc   480

                                                                     495
accatggaca tgcac

<210>   30761
<211>   335
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30761

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cttttgtttt ctgaaatcta cctcattaaa taaacaaaga gatcttgttt catctgttct   120

tgcagttcca ccttttctca tatcattttg catgtttttg tttctttggt cttgcttggt   180

atagatatga gggtcgattc tttgaggatc ctaacaacga gggtttgaca atcgattntg   240

atagagatat aagccaaacg ataaacgagg aagaggaaga ggacgtcctg tcaccagagt   300

                                                                   335
tggagaggtt ggtcgctcac gatgaaacgt gaatg

<210>   30762
<211>   325
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30762

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tgcacttctc tctctgtcga atntgctgag gaaaattatc ttcgtgaaga aaattcaagc   120

cgaggcgctt tcgtaacgtt tccgtgagta attacgcgaa gattctcgac cgttcttcaa   180

ggtccatcgc tcgttcttcg ttttcttcag tcttcaacgg gtaagtacct ccaaccagct   240

tttcatttca ttctatgtac ccgtggtggt gcacattctg tttcatgtat tagtattccc   300

                                                                   325
gttctcattt gctttatata caccc

<210>   30763
<211>   389
<212>   DNA
<213>   Glycine max

<400>   30763

tttcttcact tgaaattaag ttattcaatt atatgagttc ttgatttaat cccaatattc   60

tctccccctt tggcatcaac ataaagccaa agtgtgtata gagacataaa atcatacaca   120

aactcataat catccaagca ttttaatcca tacaacaagc aaggaggaca ataattcata   180

cataaactaa gcaaggaaga taataattca tccattaact ataataaagc gtcaaataat   240

tagaaagtca tccaagataa ccgaaataaa aagactaatt tagagagtaa tatactaata   300

agtgtatcaa atatgtcata agacatcaac acatataaca aatcacttgt ctaagtcact   360

agcatctaga agttctaatt ctcttctaa   389

<210>   30764
<211>   327
<212>   DNA
<213>   Glycine max

<400>   30764

cgcatgtcat caagtaataa tccccggacg aatttatggt atgatatttg cccctcttta   60

cttgcctctc atcggagata agatgaaagc aaacatagga cactgatctc gtccgtcctg   120

ccgttcccgc gatgacgact cacggctcta ttccttcgtt tttcttctgc atacaacaaa   180

atacgaacta caacgagaac aacgactatt atgtacatat acacatatac acatatccgg   240

cgaaggaacc gaaccagaaa acaccagaat tacgggtttc ccagtcacca gaagcttcgc   300

gcttgacaat ggaggacaca tgaatag   327

<210>   30765
<211>   377
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30765

tgcttcatga tgatgaatca agattgattc aaggagttnt gatgataaca aagatgatga   60

caaaaagccc aagagaatga gttcaagatt gagtcaagaa cacttcaaga atcatgagaa   120

atttgatttc aagattcaag aatcaagttt caagaatcaa gaatcaagaa taatcaagtt   180

gaagattcaa gaatcaagaa aagactcaat caagataagt actaaatttt tttttcataa   240

cattgagtag cacatgaagt nttcacataa gcttttacca aagagttttt actgtctggt   300

aatcgattac cagtntactg taatcgatta ccagtagcan aagttgttnt caaaagcttt   360

cagattgaat ttacaac   377

<210>   30766
<211>   394
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400> 30766

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ttatattcct aaagaattct gtcctaacaa aaccaaagac agagtcctag caagtgtagt   120

tctcatgagt caaagtgcca aggttagcaa gtttatttac acatgagttt cctctctat   180

aaacatgtga gtaacaaaaa actatatttt tacaaaaaan aataaacatt ttcccattta   240

ctatggagac attaaggaac caacaaagga ttgctgaaag cctgaatgac caatgaagag   300

tcacattcaa tccacaaatt attccagcct ttgcacttca ctacttctaa ggtgatgcct   360

acaccttagc aaaaaaattt gtttaacccc tata   394

<210>   30767
<211>   346
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30767

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gaactttgag ttgtgtctca caagactctc attcatcana gttacaacta gtgttacaca   120

tgcttctatt tatagactan gtagcttcct tgacaagctn tcttgagaaa acttccttga   180

gaagcttctt tgagaaaact tccttgagaa gctagagctt agctacacac accccctctta   240

taactaagct cacctccttg agaagcttcc ttaagaagat tcctaaacaa gttagagctt   300

agctacacat acctctctaa tagctaagct cacctncttg agatga   346

<210>   30768
<211>   467
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30768

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tgctataaga gtagtgtccc actggtaaaa ttaactttcc aaatggttgc cttcgcatga   120

atggccacga ggaagcttgc ctcaaagagg tccacgaaag acaaggcggc cgaatgaact   180

cattccgctc cggagtacga cagtcaccgc tttaggagcg ctgtacacca gcaactgctt   240

caagccatca aaggatgggt cgttctccag gagcgacgcg tccagctcaa ggacgacgaa   300

tatactgatt ttcaggagga aataaggcgc ccgcggtggg catcactggt tactcctatc   360

gccaagttta tacagatata gtcctttgag tttatgccaa tgccttggcc acagaaggcg   420

tgcgtgacat gatatcctgc gttacgggtc agtggatccc gttcaag   467

<210>   30769
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30769

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tctaagcttg atctcgttac tgctgcccca cagagcccct cggaacttgt tcctgctcca   120

ttcttcattt cgggcccatt ttgtttctcg ctctaacgct tcaactgtgg tcatgttgat   180

atccttcaat tcatcacact ctttttttgac cctagtgact ttcgtcttca gcttctcttt   240

caccactctt gtcttttttga gttgtacttt caaagcttgc acttcttcac tttccttagg   300

aatttcagcc tttntcccac ttagacattn tagctntggg agccaagtca tcccttgcgt   360

tctagacttc aaccacttgt gata   384

<210>   30770
<211>   557
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30770

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cacgtggttc ataccttaga taacctanag cacttgtatt cactatagat tatggcgtac   120

atgcgtatct tgaaccatat atttgtacta ctccgcggga tctattgaac tattgaatag   180

aattcagtgc tcggctgctg aatcactcga taattcggcg taaagaacgc cgcgtgctcg   240

ttatatattc agatgtaaga ctgaactggc cagagtgttg aagacttctc ggtcgtcctc   300

gcgcacgcac atgtcgggac tcataaatgc tgggttgaga tctctcgcac ttattaaaat   360

atgtctacgt cgagcatgcc taatatctcg tagccaatag cacggtgaaa agacatgcgg   420

cgctcagagg acgcgcacat agtgagcgtc tattctggta gtatattata cgtgctgcat   480

atcggcacat aaatgtaata gagaccagtg gcgcagtcgg accggcacaa gtactcggca   540

tgatttggcg tcaaacg   557

<210>   30771
<211>   320
<212>   DNA
<213>   Glycine max

<400>   30771

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tagccgcttg ctcaaggtcc aaaaggaact tgactcaacg tttatgcgag atagagacca   120

gcatgttagc tatcatcacc aagtaccaag aagaactaag tctagccacg gcccacaagc   180

atatggtggc ggacgagtat gcccaagtct acgcggaaaa agaggctaga ggaagggtga   240

tcgactcgtt acaccaagag gaaaccatgt ggatggaccg atttgctctt accttgaacg   300

ggagtcaaga acttcccga   320

<210>   30772
<211>   350
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30772

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gccccacatt atttccatga cacanatgca aaaatgatga tttggaaatt ntatgcaaaa   120

ctggtcatgc atgcacctat gcggacactc aagtgtcaaa tttttatggt catgtgatgc   180

tagggctcaa gattcatttc ctctatttta gatcaaccca atgtttccaa aatatgttct   240

tttatcaatt tgtgcattca tccgagtcca ttttgggtac tcgggagaat nttcacagca   300

ttcacccttc aggtgtgcac acattttttt ttcaacaact agctatgatc   350

<210>   30773
<211>   403
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   30773

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tgaagcactt atgcacttgc aattccaaag tatcaaacct ctcaccaaca aaggtttgaa   120

gaccatcaaa cctgtccata atctttgaaa gaagagatga atcttctcct tcatgtcctt   180

cttcaccaac atttctagca cccttcttca cccaagagcc atcatgctcc tttacataac   240

caaaggatgc tatgactgaa gtgcctataa ggaatgatct cttgattgga acacaaggtt   300

cagaatcaag agggatattg aagtgttgaa ggaaaagggt aacaagatga ggataaggca   360

atgggtcatt caatcgcaat gccttatgca tgcgatatct aac   403

<210>   30774
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30774

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atgtacaaca tcggttatca atacaaaacc gatgttaact aaatgatgtt aacattaaca   120

tcggttttct acaacaaacc gatgttaacc tatcttatgt taacatcggt tnttctaana   180

atcgatgtta acatactgac tttaacatcg gttattcaaa aaccgatgtt accagtttca   240

tgttaacatc ggttttttaaa caactgatgt taacataagc taattaacat cggttttcta   300

aaaaaccgat gttaacaaat tcacattaat tacaattatg ccaccatgtt aacgttaaca   360

tcggntttga ggaaaaccga tgttaaacgt acgatgttaa at   402

<210>   30775
<211>   314
<212>   DNA
<213>   Glycine max

<400>   30775

acatgtcgct gggttcagcc ttgccgtctt gagaagattg taacctgctt ttgctggcat   60

gttatactca aggtttgcat atttgagtgt cgttggagat ctttcttacc ttgcttattt   120

tatcaggggc ttcgtccaga aagatggtgc taccatctgc attcatggca cagaggataa   180

agtactgggg ttgaaagcca aatatgagga cgttgcatgg ggattttaga gcactgagat   240

cagagagaac tttgattctt tctcagtcag ggcggggcga tgtatggagt atttataggc 300

tgatctgagg attc 314

<210> 30776
<211> 324
<212> DNA
<213> Glycine max

<400> 30776

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ttcttgagac ctatatgtcg gcaattgcca gctgagaaac acacgctcac acacattaaa 120

acatctactc cctcccacat accaacccag ttatgtgagc catcattaac tttacttatg 180

atgattatca ttataaatac ataaatatta taaaacagag aaaactgcct ggataccagt 240

tcttcttgat tcttgagagt ggttggtgat ataggctagc aacaactctt ggaaaatgca 300

tggcattctt catagagaga caat 324

<210> 30777
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30777

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gtaaaaaact ccgatttaat aatacccact gcatgtaaag ggtggtgaag ttggcaatcc 120

tatctttttat caatgatngc aaggatatcc ttatacttcc cttcattgnt attgaaagct 180

ctttgaattg attctttggc ctatccattg cttcataaat gaaacccatt gcaggttntt 240

ttttcattat ccaccaacct caacacactt acaagaggcc ccatagcctt taaagcataa 300

acaacatcat tccanaatga tggcgtaaga atacatatgt ggcttgcttc cccttgggct 360

ctttagctgc cttagacttc aaccattcat ctga 394

<210> 30778
<211> 435
<212> DNA
<213> Glycine max

<400>   30778

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tctcaaagta tacaaatatt tcatttaaac ctcataaatc atggattctt gttctatttt   120

ttaatgctgt gggtgcttgg aatcatgaaa tatcattgga ctttagttct atgttgcaaa   180

agaatgaaac tacatcaatt tgaattttga tctaagacct tgctcagttt ttatttaaat   240

cttggagtat aattgttagt aatcttagtc aattttacg ttttctgtgt ctctagatcc   300

cgtggtaatg ttttttggaat tgctgagcac tcctccaatg ttaatcattt tcgtactctt   360

ttctaaacac tatgtgattt ttatatgtat cactacttcc tatattatac agtttttata   420

                                                                     435
ttgatacacc atgca

<210>   30779
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30779

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atgctactct tanaacanaa atggcataca acctcctcca ataaacacaa acatcaatgt   120

aaatntagag caaactcatg cacatacttc cttatgaaca ttcactcgca caagatattc   180

ttctatctaa gaaaaatgca cccatgcaca atcaaggcac cttcattacc tagattatnt   240

atatgtactt ncaaggtgta tntgctacct acatcacatg cacttncttg gctaaatnta   300

catacatgta tactcaaagc attttggcta ccanaaattg cacacgtgca cattctggta   360

                                                                     412
tttccaatac ctatgcatat acaaactntg tgatgaatct tggctatcta ca

<210>   30780
<211>   321
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30780

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ctttgccgtc aattaaccta aagcacaact tgatttatgg ctttgaactt tgaaaattga   120

ataaaatcca ataaacttat atttcgattc taacaaacta acatttacaa ttttaaaaaa 180

taggttctaa ccgcacaaat ggaaaagttg ttcaattcat ggcatcttct tatctaaact 240

caagtttttg ccgtcattaa cctgaggcac aacttgatta ggactatgaa ctgtgaaaat 300

gaatccaccc aattacttat a 321

<210> 30781
<211> 401
<212> DNA
<213> Glycine max

<400> 30781

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tttgatgaat gagagtcttg tgagacacac ttcatagttc cacttctctc cctcttttat 120

tccttcaatt tcgtgctccc ccctctctct ttctctccct ctttctttc ctccattgaa 180

gcatccttcc aagcttctta tccaaggctc atcttggtgg tgaagctcct tcttccatgg 240

cttattccct agtggatggc acctccgctc acctcttctc ctttgacttc cgctgcatct 300

ccatggtaga aaatcaccat taaaggacct cattgaagct catagatcca gcctccatag 360

aagccccaca agtaagcttc catcataagt gcactgacct t 401

<210> 30782
<211> 203
<212> DNA
<213> Glycine max

<400> 30782

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atgagaaatc tcaaagagaa aacgtccgat tgattattcg ctttatttcg ctaacagatg 120

gttgttgatt atgatattaa ttgtttacct ctattttgat tgccaacgtg gttacggcac 180

gaccgatcgg tctgattttt tta 203

<210> 30783
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30783

12835

ttgcttgttg acacgcggag atntacgtca tcttttgtgc tcacaagatt tgtcatactg   60

acatttgagt cacgttgacg ggcggagata ccctagtggt tatccgtata aacattcttt   120

nttgctgtct gtaaaacgaa aagcctgata gcatgcagag actaacgtcg tcttctgcgc   180

ccatcgtcaa tcgcggccga caagcccgtt gacacgcaga gatttacgtc attttccgcg   240

ctcacaagat ctgtcatact gacattngag tcatgctgac ggacggaaat acccaagtgg   300

atatccgtat aaacattctt tnttgctgtc tgtaagacga aatgcctgat agcacgcaga   360

                                                                    374
gactaacatc gtct

<210>   30784
<211>   233
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30784

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ctccgggagc gacgcgtcca gctcanggac gacgagtata ctgatttcca cgaagaaata   120

tggcgccggc ggtgggcacc actggttact tccatggcca agtttgatcc agaaatagtc   180

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<210>   30785
<211>   591
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30785

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cgcgaaaggc gaaaaacaca aaacggagng gnattggaag cccgtggaaa caccanggcg   120

ananaggcna aancacacgg gaacccgcgg aaacgacaca gagcgcacgg aggcaagcgt   180

tgctgancga cgaaggaaca ccgccacaaa gggacgaacn gcagcaacaa gacaagaccc   240

accgcgaaan ccacaacaga acgacacacg gggccaaacc aggacacgga cgaacgaaga   300

anganagcgc cggagaacgg agacggcgga agcgacanaa cagacgcaca cagacaccgg   360

gcgagacacc acgaaaccga agcgagagcc ggccgacggc aagcgaaacg agagacaggc   420

accgaaaggg acacgacaaa acgaagaaga agcgaaggca acaacaagca ccggaaacaa   480

acgacgagag agacaagacg ccccaggcgg gagcggaacg caggcaaagc aaggcgagca   540

cgggaaccac ggaaggaccg gaaacaagag caaaacggag cgaacgacga c   591

<210>   30786
<211>   223
<212>   DNA
<213>   Glycine max

<400>   30786

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actttttttg aaagtatgac cattgatatc tcgagacctt ggtagtcaat atcaagcgta   120

tttatgtatt atgcccccga atcgcctttc tgtgacatgt atgaccattt gtattctcga   180

aagcatcgat ggtcattatg agcctcttga gcattatgcc cat   223

<210>   30787
<211>   202
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30787

tttctntatg agaaagagac atatcaacga atgttactac atagcgatta tagagcattg   60

gatttttagc agatttaaga ttcctattag tgttttataa acctatgtaa agagtctatg   120

tcaatgccca ctttttttttt taatttctct ttgttcccta catctctttc cttttggatt   180

tttttggtgg ggggggggg gg   202

<210>   30788
<211>   370
<212>   DNA
<213>   Glycine max

<400>   30788

cgcatcagtt gaggctcggg ttcttccggc tccatgggta atcatctcat aattaattaa   60

attgtttaca aatgttgttt gcttttgcac ttttgccgtt atgcttatat tatattttgg   120

ctcttcttgt cccttttagtt gaaatatcat gacactggaa gagagaaaga atacttgcca   180

caagttggtc agtggaatat gatgaacaac gtcagctaag aatgaacaaa taatgtttag 240

atgtaattat tttattgaaa gataagaaaa gggaaaatta cttgtttcca acttactcta 300

attctgggaa atctaatgca gaaagtataa atggaagtac tgtaagatat tgggcatgta 360

tcaacttctc 370

<210>   30789
<211>   405
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30789

ttgcttgcgt agtacaactc ataatcaaat tattaaatgt tttttgagaa aaaccaaatt 60

catttagcgt caatttcaag aagccccaat caactttatc atagactttc tgcaaagtca 120

attnttagcc taagattccc tttttttatta tgcatgtgat gggcaatctc ctgagctatt 180

atagcattat cagatggatc tctattagga atataaatgc tttgcaaagg gccaataaga 240

ctatcaaaat gaggttgaat gcgattaaca agcacttcag agataatttt gagatcgaca 300

ttgcataact gatgggccta aactctttta aggaagaagg gcaatccact ttggggatag 360

ttacaataag agtttcaacc aaacttggat tgatggagcc taaag 405

<210>   30790
<211>   453
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30790

ntcatggtgg cgagaggcca tgtgaagcta atattcanat atacatgcaa gacctctcta 60

ggtgcgagtt gtggcaaatt ttaatttatg ggttaaagtt agcttggaga agggattatc 120

aaaacatcaa gatataatca tattccctta cggcaattaa tctcttgttt atcaagagag 180

tttagctcaa ttagttgaat aaaatgatgt gttgttgtga atccttagta cctatcgttt 240

gattgctaca aattaaaaaa acaaatctct cgtctaaagg tttctgttgt ggtgatccat 300

gtgcgagttt ggtcaaagct atttatgaca gccatcggag taaaggccac atttactggg 360

ttcatgtgct gatggaatcc catcaggtgg tagatcgatc ttatggcaaa tcatgggtta 420

aactttagag tcttcatatc atggtgccta tat

<210>   30791
<211>   376
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30791

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agctggcact tagtgagtgt ccatacattt cctttnttaa ccatttgcat tgatcattac   120

tgagctatat gttggatcca ttatcatact atattataat ttcgccaagc ttgatgatgg   180

ggataaaacc catttgagca ttaaaatagc tgacacttag tgagttccca tacatttcct   240

ttttaccatt ntgcattgat cattattgag gtatatgtta gacacgtaca ttatcataat   300

ataataataa tcaagaaaaa caatagacat catgtattga aatacctcat gatcaaatnt   360

anatggaact tacact   376

<210>   30792
<211>   283
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30792

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acaaaggaaa tgtatggaaa ctcactangt gccagctatt cttgtgctca catgggtttc   120

tgcctcatca ttaagcttag cctagtccaa atcaaatatc ttggggttga gatctttata   180

ccacaacaca ttattggcct tgatgtccct atgaacaatc ttcatgttgg actcttcatg   240

aaagtagcca aacctatagc gataccaaca cgaaatctat gct   283

<210>   30793
<211>   375
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30793

agcttaatct tatggcttgc ctccagactt cactccccgt accgctccag acgatttgaa   60

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ccaagcccct accttcgagg ggcaactccc tccttatgcc gattatcccc tgcaagaaga   120

cgatgaagaa gatgcccgtc taggccctct actgcccctc aaggatccgg ccccccatga   180

attgccccaa ccaaacatag tccgccatgt cccatctcca cccgcacccg ttaaagaatc   240

tgttcccttt gcaaaagata gggaaagatt gatttacttg aagagaggct gagggcggta   300

gaaggcctcg acaactaccc gttctcggat ntggcggatc tgtgtctggt acctgacatc   360

                                                                    375
gtcatccctc ccaag
```

<210>   30794
<211>   810
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30794

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ctaatcnant ccntactanc nanccncaga gagcgcngat tggacgccat taggtagana   120

ngccattgat aganacgtac aaccnaccga cgatcgacag cantaactat aaaacgatgc   180

gatcgagacg tcactacgta tatgtgtcac acaacgcata tcactaccca taagaacgca   240

ganagcgacg cactatatga dacagcgagc ttatgaatat catcagcnga gcagtacgca   300

ctcactcnct gacgcanctc nnatgtagac ggcatgatat acatcgacgc acatgaatga   360

gatacagaca cgcatgaacg cacacgagaa gcggagnang atgatacgaa cacagccgac   420

tacaactgcg aggcctgtag gcacatacga cagcatacac tcgacgacgt agtctgcaga   480

aacgagacag agagaagata cacgaagata gtcaacttaa cacagcatag gacaatacca   540

acagatcgag catgaaaata acggctggat gcacaacgga gctgacgaca gcgccaacag   600

acgactgtga tgcacgagac gtacaaacat caggacgtca ctcgcgatca cacctcacgc   660

agagtaacaa ccctgccaca cgagtgagca gaacgaacac gagcagacga ccgacgagca   720

ttgtgctcta gggagatcgc acaacgagga cacactgata cgacatagac ggagtacaca   780

                                                                    810
aactgatctc actagacaca gccaaccgcc
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<210>   30795
<211>   326
<212>   DNA
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<213>   Glycine max

<223>   unsure at all n locations
<400>   30795

agcttttatt taataaaatt aattaaaaaa ataaggattt tttttacgta aaggctatag   60

atacaaagct tcacactaaa aaagaaacat ctcaactacg ttgacaaccc tcctcctagt   120

gatcacaagc aaaggcgtac aatttattca aataaaaaga agaaatagat gaccaacact   180

acgaaaagaa gtcttgtatg atgtctatgt taagatggtt atcgaaaagc tatcctcggt   240

taagtagtgg tggcattttc gtaaacaatt ataacttttg aaagacggtc attgcanaac   300

                                                                    326
cgtctttaaa acaacttttc aaagat

<210>   30796
<211>   480
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30796

gcgccttgac ccctgttgan ccaatctaga cgtgacacct tggcataagc ggcctcagga   60

tgtccagatg gagaggggtt tcagactgtt gccccgatac gtttgacggt ttagatctgg   120

tcacaagaag tgtggactaa cctacttcca cgatactttg gattaatcag aaactatatc   180

acgagctact ggcaacacac ataattgggg ggcatgaggt tgcgacacag caccatatct   240

gattactgtt gcattggaca cagcatgatc cccacatatg agtctccgac gaaagcttac   300

accccaacga ctgacctctg cctggatgca caatctatct gcattgacaa tgacaaagga   360

tggtttctgg ctaatatcgg catttaacac gcgctcaatg tagtcactcg attaaaatgg   420

gtctcttttc cggaatctaa agggacctca tagctagata acacttccga ataaagatcg   480

<210>   30797
<211>   413
<212>   DNA
<213>   Glycine max

<400>   30797

actatatgcc tcgggcacac aagctatctc catactggct cgatgagatc aatataatct   60

cgcaaccttg tcagcaaaga actcatgagg ttataatgct tcactctaac tgactcacca   120

12841

tacaagacca tttgctcttg ctgtgcatgc aatctggagc aattgaacac cctgaagcct 180

atgctgcaga catcaacaaa agacctgctc tacctcaaca acaaaatctg ccacaacaga 240

aaaataatga cctctccagc aatatgaaca tatccaggag gaggaatcca ttcaacctta 300

aatggcggag ccgtcacaca accacaacaa caagcacaac cctatttcta aatgctactg 360

gacaagaagc catatgtcca tcaccatcca cagcacacaa cacagcacag ccc   413

<210>   30798
<211>   238
<212>   DNA
<213>   Glycine max

<400>   30798

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ggtacccact aatcatactt ccactgttgc cacaagttcg agtaaatttc tgtatgctgt 120

cggaaccaca tccaaatatt atctggaaac tatatctttg atcaaactgt caaacattca 180

taatctttag ctatcaaata agccattgcc ttccctactg tattgtgtgc attatgac   238

<210>   30799
<211>   401
<212>   DNA
<213>   Glycine max

<400>   30799

caagctggtt tactatttct gcactaaatt gttgttgtgg taatcaaatg cagatgcaat   60

gcagtagaag ggggtaaaga caatatatta ctacaattat atgaaattga gtaggtaata 120

ctaagaatag aatattagta gcatgaccga gaataaaata gccgttgtgt catataacat 180

aacaattgtc tcacatacag ggaaaaaaaa tactccaacg ccatcattag ccggttgact 240

tattgctgtc tttaataaaa tgttgcccat ttcttttaaa tgtggtgatg atgccgatgc 300

caacagtgtg tattatcaac cactgcaagt ttcataattg taagttagac tgcaaaaata 360

aaattcagtc caattgttct gaagttatgc ataccatgga c   401

<210>   30800
<211>   410
<212>   DNA
<213>   Glycine max

12842

actcaagctg atgcattctt ttcctgcaga aggcaacaca atattcaaga cttataaaaa   60 .

tgatatgctg gtttggagaa gatgcaatct atgcaccata ttaaacccac aactcaacct   120

tccacccaac acatgttgac cctcctcccc aaattgaaat caaattcttc gtataatttc   180

tctaactctt ttctcgccga gctaacaaaa acctatatct aanatatttt aagaatgtct   240

gtcactacag gacatacatt agttacttag attacacaaa caattgaata atgagcgttc   300

taccttcata gtggtttata ttatcctttc tttattttac aacttatatg aagatggctt   360

tcttgtttct ccataaccac ttcattaagc atttgtaacc ataactcttc   410

agctngatgt agatgtatca tatatgngnn cnnaacaatn ggttnttgag tgcgtggtta   60

tgttcgtgag tggaattatt tgcattccat cttgcaatgg aagaatgagc agattttatg   120

tatgtgtttg actgttttgg taaaatgtga tagtctctta tggacaccat tcacctattt   180

gtgctgtaca atatatgagg atctgatgca ccaatttcat atgcaactgc caagtcatct   240

gaactgttgg ctgcccagag gagcttcata gcttgttcca aagctcctac ttctcaacct   300

                                                                      316
cctccatgag tctgat

ctgagaatgg ctagacatga tacatgtcag ggcttggttt ggctctatga taacatgtat   60

gcctcccatt atttccatga cacaaatgca taaatgatga tctggaaact ttacgcacaa   120

ctggtcatgc atagcagcct atgcgcgaca ctcacagtgt gaatataatt atggtcatgt   180

gatgctcggg ctcaagattc gtttcctcta ttttaatcgc cccaatgttt ccaagacatg   240

ttcttttatc actttgcgca ttcatccgag tccatancgg gcgtccggtg aaacatcaca   300

gcattcaccc ttcaagtgta tacacgtttt ccataaattg tttatgatca atgaatttgt   360

                                                                      364
ttct

<210>   30803
<211>   397
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30803

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actagggtca ggaagaagta tgatgagctg aaagatatca acctgaccat ggttgaagcg   120

tcagagtggg aaataaaatg ggcctgaaag gaagaatgga gcaggaacaa gttctaaggg   180

gctttgtggg ggcagcagta atgtgaataa gcttagaagg gatgaatcaa ggatggaaag   240

catggtgtta gaggataagt taaaggcttg tcagaggtcg aagagaagtt tgacagaaca   300

gctgagcaaa atagaagaga atatgttgat aatcattgat caatataacg agaaggtgaa   360

                                                                      397
cctagctgct agtcatggac atatgctgga aggtatc

<210>   30804
<211>   478
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30804

ttatcatcat tggtattggt gtatcaataa aaatggtatt gttgtaatgt tattttgtac   60

aattccacct ttgtacaatt aaaacatcgt ataaatattt tgtaatgtaa ttattgtgta   120

taattttaaa ttgtgtaaga atttactgcc aacgatttgt cgtatgattt gtgctactaa   180

gatccattgg anaaaataaa aaatagaatg tggaagaagt tttgaatctc ccaaagtaca   240

tctgacatgg atacaaactt gagtagacgt tgctttgcta catattgtac tctttcatta   300

attagaagtt tcatactagc ttccactctc ttcatctttc tccaatgaat gtaagaagaa   360

taaattatat aatggaacat ttgacattgt tgcttccttc ggtatcggcg atatatatag   420

atcgattctg aaaacataag tctgtgtatt atcattagca tatatgatcc ttatgttc   478

<210> 30805
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30805

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taaagaagtt aattatgaat tgtcttttga gtaattcatg ttaacggtgc attgttaatc  120

cgaaaagaga gagtgatagt ttaattgagg aatagtcttt gtatcttaat tcaacccctt  180

tctttcttaa cgttactgaa gccatttgtc aacatcctat tcttgacaac tcgcttctct  240

aagaagacca actctcctgc cttgataaat gaagccccat gaacgtctat atttttactt  300

gaaaacacag tcatcaaatg tcctttctct ttttgaa                           337
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<210> 30806
<211> 480
<212> DNA
<213> Glycine max

<400> 30806

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ctactgatgc ggcatggcag gcttacttca ctatcttgac tccgatgcga gctatgatca   60

ctgctcttcc ttcccgcgac gcgtcttcat atgttcgcct gagtgggctt atactctata  120

ccatactatc cacgatgact ttggctatat caagctggca tgcctgcgat gtcgttgcct  180

agacccatat cgggttcata accgactccc aacataactc cagccatcat tacatgctgg  240

attggacagg caatgcttcc ccagagaatg agttcacgga tgaaattgct gacaccttca  300

gagcactgga tagcggtttc taacgacctc tctggcggct acacttaaag catataggat  360

gggcaacttc tcaagatgac tccctcgcct gagacaagaa cagatggcac ctcaatacaa  420

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```

<210> 30807
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30807

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cagggaactt ttgcctttga tacggcaacc acgttgatag agacatccca aggaaaaggt   120

cgttcttcag ctaagccagg catcaatcca atctacggca ggtaatggcc catgactgcg   180

gcttggcgca taagaacatc aaggcctaca gggtgtagta ctgatattct acgcaaccac   240

ttcccgttat ggaatccacc tttatgagat gaagcatgtt gtatttacat caatctaagt   300

ctggataata aggcgggacc atctgctttt aacccaccta gaacacaaag ttgttatagc   360

                                                                    403
taggctcgta gagccgaaag ctacttaaac tcaagactca tcc
```

<210>   30808
<211>   500
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30808

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tctcaggcna agctcgaatg atctctgcgt attctaagag aagttcacgt tcatagccat   120

cggagtctga taagagtatg atgaactatg ggacgtcatt atggtcaccg ctgaagcctt   180

ggaacgagaa accacaaagg cctcgaatga atatcactac caatgcaaag ttgtgacggg   240

ctctataggg cagctatatt gatctcaacc tccgatgagg tgataggact catcatgggt   300

caaaggcatg aacctgaagg acgaactaat agcttgcctc aagtcaaata gagaattgat   360

ctcacgataa tacgaaattg aaggattatg tggccatctt catggtgcaa ataactatt    420

ctacacgatt acgactaagt tatagtgatt accccgattt ancaaaaggg accaggagag   480

                                                                    500
ggtcttattc ttgacctaag
```

<210>   30809
<211>   339
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30809

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tatctntctt tcaattcaca cgacaataac gttntactcg gatgtctgat tgagtcccgt    60

aatatatcga taagctcgaa attgaatgtt gaacctctga gcaaattcaa acgacaataa   120
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12846

cttttttactc ggatgtctga ttgagtcccg tcatatatcg agacattcga aattgaatgt 180

tgaagctctg agccaattca aatgacaata acttattact cggatgtctg attgagtccc 240

gtcatatatc gagacgctcg aaattgaatg gtgaacctct gagcgaattc acaccacaaa 300

taacttttac tcggatgtct gattgagtcc catattata 339

<210>   30810
<211>   546
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30810

cgatgtgaga cgatagancn ccnttcgttt agancccccct agctatatan gagacactac   60

tcagaatact caagccttca acagttcaat tttcgagccg tctcgatata tgtataggcc 120

tctaattttta catnccgagt gacaaagtac tctgtcttnt gaattgcgct caaagcttca 180

acattcaatt tcgacgtgtc tcgatatatt acttggactc aatctgacat gccagataat 240

agttattgtc acttgaattg gctcagagct tcaacattcg aattctaacg tctcgatata 300

tgaagggact caatcacaca ttcgataaat agttattggc gcttggtatg gtcagaagtt 360

aacattcact ttcgaacgcc tcaatatatt actggactct atcagacttc cgagtagatg 420

gtattgtcgt tgaattggct cacatgttga aattcacttc gacgcgctga tgagttcggg 480

accaacagac tcccacaaca acttttgatc gtacagagta gacttccaat tcattgttag 540

cgttcg   546

<210>   30811
<211>   562
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30811

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cacaaaagag aaaatgaacc ttgagacctc gaaanccagg tggaaacagc agaaccacac 120

ggaccgctaa agacgacccg caggcaagca agcaaagatt tcagacgccg cacacggagc 180

aggaacagcg ggaaatggac acagaagggc ccgaacagcg tagagagaca gaaagaaaca 240

agcaccccaa gagcgagaga aggaaacaac caaaagagcg ggcgaggagc aaccacacaa   300

agaaacgcac accgaggaac aaggcaagag agcagaacgc caagacntcc aaagacgaga   360

aagacaagag gcaacatcaa gaaacgggaa agggaaccgg ccgacacgat gagaacatga   420

aaggcaacgg gagtcgacac aacggaaagg caaacgggtg aatcgacagc aacacaagcg   480

ccaacactag aacggaaccc gacgaggacg agcacgacaa ggcaccaagc cgcacgggga   540

cggcagcgtg cccaagagca cg   562

<210>   30812
<211>   504
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30812

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gacctctaaa ccccgtcagt cagttgacgc aacgggcacg accactccac agcagaagat   120

ttttactgcc acacacatgt caccacgcct cacagtggca tatactctcc tctcgtcgca   180

gacttggtct acatcatatg ggtggtgccg caaatggcag attcctggca actaaacgcc   240

gtcgatcgac aatgactctg cgactaacct cagcatacta aggacgcgtg taaggcaaag   300

atctgcgcta gcagacctct catgcatggc acgcccgacg atgtcgggtg catctatcgc   360

ttcgaataca tcatatacag aggggatcta tgtggttagc tctgagtttg ttctcttagc   420

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ctgtgctcac atagaggcgg catg   504

<210>   30813
<211>   96
<212>   DNA
<213>   Glycine max

<400>   30813

ttcttgcttt tccttggcct acataatttt tttcagaata cacgttgtta tcatgtgcta   60

caattgtgac ccttctgatt aaatgtcaga tgatta   96

<210>   30814

<211>   514
<212>   DNA
<213>   Glycine max

<400>   30814

tcacacgttg ttgacccctt cgaaccttga tacttggcat tacgcgcctt taaacaccgc   60

ctcactacta tttgtcaaac ctattattcg aggcgaacag tatctatctt cccgcaaact   120

atgtagtcca tcccctgcat ggaagtgcat ctaaaatact ataatttggt ttgccgctat   180

atccaacaat cttcaaggtg ggcttaaggg atagataacc tacatggatt gaaccttgtc   240

tgctacacac gaattaagag aatcatcttc ttttgactgt atggatagcg actcctcgta   300

ttgctcttct ttccaatatc ttctgtcgcc ctcttaacga tttcatattg ctgtgttaac   360

ataatgcctt acttcttata gggattcaaa tacccaagca ctagtgtatg cgtttgatta   420

tctttcctct tatacaagaa acaacaacaa aggcctatta attgagttgg aaaggatctt   480

                                                                     514
tcgcatactt tactcctata tggaacatat cgcg

<210>   30815
<211>   321
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30815

tctctaggga gatcctttgg ttccttcttc caaggccaag ggtaataatt ctaatcttag   60

gtcaaggtta agggccgatg acctgaggtt ttggctcata agacttgtag agggccggac   120

atgatgtatg taagggatat gtgttcngta accgttcagg gataacggaa tgcccatatt   180

atttccatga tacccatgtg gacactcaaa catcangtnt gtagtaatgt gagactaagg   240

cttangattc atttttccca tttaaatcaa cctagtgtnt ccagaagatg tgntttatca   300

                                                                     321
attatgcatt catctgagtc t

<210>   30816
<211>   319
<212>   DNA
<213>   Glycine max

<400>   30816

tgaccttgac cctgaacctg aaacgccata actcgcttga gagatacatt attcccaccc   60

cgtttttttga gcagaatcct ggaaactccc gatcgatcca aaaatttagg acagtcgact   120

attgaggggga ttaaagttta aaccgcaacc cgttgttcca aaattttaaa ttttaagtcc   180

aggggcctcg tatcctcccc ggctgagaac ccgccagggg taaaaggaca tggtgagcgc   240

caggtttcac cgaggtcgca ttaggggggc cagactagcg cggtgacccg gggggggccc   300

                                                                      319
cttaaatcgg ggctccacg

<210>   30817
<211>   357
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30817

agctttgcta gaaaaggttg agtattttct aananaatta tcgaaattta taatgggaag   60

agataactta gaggcacttc ttgcccaaca aaagtgcgtt attgaaaagg ctgggttggg   120

atacaataac aataagaaac agatagctga caaaatcttt ttcaacgtta caaaagcttc   180

cagctcaccc atcatagtat gctactactg tatgaataag ggacattctt cttttaattg   240

ttgattaagt agtttggaat tccaagtggg aaatacaaat gggttcctat gggaactaat   300

aaggttgcta accaataagg acccgacata atttgngtac atagatctac ctctcta   357

<210>   30818
<211>   297
<212>   DNA
<213>   Glycine max

<400>   30818

aaccgcccag agacagggca acacaccccc ccaggctgac tgaaccacaa ccaccaacgc   60

caagcaccac gacgaatgcc agaagcggac cggggaaggc agcacggaaa cacggagaga   120

agcacccgac acggcaccga gagacggacg gaaacacagg gcaggaaaca agacgacgaa   180

caacacaccg accaaggcga acaaggcaaa ggaaccacgg aggggcccgc acacacccgg   240

cgcacgcgcc cccagccgaa aaaacaccca aaggcagggc aagacacaca agcgaac   297

<210>   30819
<211>   392
<212>   DNA

<213> Glycine max

<223> unsure at all n locations
<400> 30819

agctntacat tggttatcaa ttgtctaaca taaacttctt cttttactta ggacttggga   60

tataacatgt taaagattgc agcaaagcac aacatgggca ggttgatgac atgattntga   120

aattacaata gaacattatg ccagatattt gatccatgta ccgaccccac ctagtgagaa   180

aaggattggt ttgttaatgt tgtatacaaa ttcaacatac ttcaaatata atagtagttg   240

tagagttcca agccaaaaga taaggtgcat ttaatgcata gtgggaattg gaattttatc   300

actaaggttt aggtggttta aatgcaaagt gaaagattgc attntactag atgaaactta   360

                                                                    392
tttgaatgga tgcattggaa gttgtattgt tc

<210> 30820
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30820

tgctaacccca tggaagctcc taatatctcc cacactntnt gagatgggcc attcatggat   60

ggccttgatt ntctcaaggt ccacttggac cccatttcta ccaactacaa accctaagaa   120

aactatatta tctacagaaa aagtacactt ctctatattt gcatagaggg tgtttttcct   180

aaagactgaa agaacttgcc tgagatgtcc tgagtgatca tctangctcc tactgtacac   240

tanaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg   300

cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc   360

atacaaacca aacttggtct tgaaagcang tatccactta tcaccatttt tcatcc   416

<210> 30821
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30821

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cgattatcat ctcctttcca tcatttgggg gtgccactgg ctgccagat ccctccacct   120

12851

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ttgngtgtat ttctttgaag gattcatgct ccttttttgca catgttctat agttgcatct  180

tatccagagc catatcagaa ttgtactgat actgcctaac aaaggcaacc gtttggtcct  240

tccaagaatg ggctcgggaa ggttccaagt tagtatacca ngtggcagct gccccagtaa  300

gactttctta gaagaaatgt atcagcagtt tctcatcttt tgtgtatgcc cctatcttcc  360

gacaatacat cttttagatg gttcttcngg caagtagtct cctt            404
```

<210>   30822
<211>   325
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30822

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tcaacctaga ggagacggac cattccaagt gttggagaag atcaatgaca atgcctacaa   60

gattgacttg cctagtgagt ataatgtaag tgccactttc aatgtgtctg atctatctct  120

ntttgatgca gatggagggg ccttggattt gaggacaaat ccttttcaag aagcagggag  180

tgatgaggac ataaccaagg tcaaggacca tgnaacactt gaagggccca tgaccagagg  240

cagacttana caagcccaac acgtcataga gacaaagcta gtcatttgta tagctgccat  300

tgatgatgat tgaaggccca agtgg                                   325
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<210>   30823
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30823

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agcttgtttt cccnctctct tcacatgacc ctcctttctc actaagggtg gtgacccttc   60

ttcaggctgg gtgattcttc tcatctgaag ggcctctatt tatagaccca tcttaatgtt  120

aaaagggaa gcaaatctct aatttacaga taatatctta ataaaattta aacaaatcct  180

aaagataaga taatatcttt ataaatataa acaataatcc tagagatntg aaattacaaa  240

tttgaattgt ttcccaacat cctctaccaa actctgttcc ttgcccctct tggcctgatt  300

caaccgcctc ttccactttt ttccttctcc tatatgcttg tgttaatggc ctattagtgg  360

ctctacattt atggacaagt ttgcttgcta ctt                         393
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<210>   30824
<211>   482
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30824

taagagtnta accatgcgta gatatcctat ggtaatatct catttttta ccatttgaat   60

agtgtaaaaa cactacccaa tcgcctaaca aaacaataat actgtctacc acacacat   120

gaaaaattgn gatgttaccg tgtttgtttg acattctttg tcttcctagg agtgtatgta   180

ataatatctt tgtagcacac atgagaccga tgttgtttgg taagagaaaa ataagattct   240

agtaaattta gagagtttga taagcactgt gctacttcaa caaatataaa gatatgtgaa   300

atttggtgaa gggatatctt cctcaaatac ttgtcaatta atataagcat acaaaatana   360

attaaatata atataaatca taaaatattc tactaattat aagatcaaca ttggataata   420

agagtaagaa cacattatta tttaaacagt tgaaagataa aagtaatatt attaaagaac   480

                                                                     482
ta

<210>   30825
<211>   403
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30825

agcttgtatc taacggtgat tgcaagcgat gcagcataat ctagatctct gacggaagac   60

aagttgaacc ttaattggtg aagatagatn ggggaaatat ngaatcatga tttatatata   120

cgtcaacagc acacttattt atattcttcc tttctctgca tctccctcta tcataggagt   180

gttaattttt agacacttaa acaatngaaa cacttaanna taatattggc atgtgttttt   240

tttttttttt tatctcccac ttcatttaca ttacataaac aatcatatat atttcaacat   300

ccacttattt tanacatttc atcaataact cttatttntc tctcttatca catcatataa   360

tctatcatac atnatnttct tcttcttttt tttcactatc tct   403

<210>   30826
<211>   469

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30826

ggattcaact tgggactcct tccgttntgc ttctgacaca gcctgtctcc gctaccatga   60

caacattcac ctccagaaca ttcttccaaa gaagaatgtg gagctcgccc ccacgatata   120

cgacgaattc tatgggaagc tctagcggag gcaatggcat agacgaatga gaaacagatt   180

gatgtggtgt tggtgaagag ttctactcca acttttatga cccggaggac gactctccga   240

agcagtgctg agtgcggngg aagaccatca aatttgacac tcagacattg aacgatntct   300

tatggacctc gtaatcattc tggaaggggg agcaactaac tacatattcc cagtacctcc   360

aaacttatcc tgacctccca cacctctaac cttaacatag gaccggcccg cctaatatac   420

agactcgtga tgaagatgga catggatgtg ggcagtatga tttcctttg   469

<210>   30827
<211>   404
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30827

agcttgagta tagagacttc tcaagctatt tatcttctct ctcagagaga ctctctcatt   60

ggattgatag gaatgaaggc tcctaccctt atttatacta ctctacctcc acaatgaatg   120

gtggagatta cttgtatcat anggtggaga ttaattctct agaatgttgc acacattcta   180

tgagtcttta cactcttcta ctcttttcca tatccttcca taaggttcca cacatctcta   240

gaatattcta gaggtttcca cattcttcca caagcttcta gagagttcta cactactcta   300

gagttctcta ggacgttcta aaaaattcta tactnttcca gagatgtcta gaattttcta   360

gaacttctcc aattaagaaa ggattccaac aattgtaatg tatc   404

<210>   30828
<211>   291
<212>   DNA
<213>   Glycine max

<400>   30828

tgagcttagt catgagaggt gtgcgtgtac ctaatctcta gagtctcatt gaagatgcct   60

cagagatgct tatcaaggaa ttactctcaa catagcttct caatgagacc gcctaggcta 120

tgaataaaag catgtgtagc acttgtgtaa ctttgatgaa tgagagtctt gtgatacaca 180

actcatagct cgacttctct cctttggtct tccttccatt actagctccc ccctctctct 240

atgtctgact ttttcttttc ctccatatga acatcctctt caagcttctt a 291

<210>   30829
<211>   385
<212>   DNA
<213>   Glycine max

<400>   30829

tgcttatctc ttggagtata taactcatta tgataagctg aacagtgtga aatctattca 60

aacaagaatt aatgatactt gcattgacat tataaaggtc atttatactg tcatctgatc 120

acacatcgtc atatatgata actttgttga cttttgcaat aactcatctt tgaaagttat 180

aatgatgatt tctgatttat caacaatgta aaagctttta cactaactgt acatgcctat 240

tgagttctta ttaaaaagag cttatagaat attcatcatc tatgagcatt attaagttcc 300

atgtaagctc tatcaaatgc ctcctaaatc cttcttacaa attgaagctt cgaacaaaat 360

ggattgagac taacaataat tatct 385

<210>   30830
<211>   180
<212>   DNA
<213>   Glycine max

<400>   30830

cctgacttac tgacagacac gcgtaaaaat tcgtttccaa aggcgtatag acgacagccc 60

ccaaaggcac atcacaatct ataaggagat cgacataccc taccatagat catataacta 120

tcagctagct ctttccgatc ctcccagggg gaacacatat tacatgccca aaactcaacc 180

<210>   30831
<211>   394
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30831

tttcttgctt ctatgcggtg gagggtcttg gctaccccga aatgaccacc aagtggtgtg   60

gcatggaact ccgataagag ggatgggata aatgggttgg ccggattcaa ccatattcaa   120

tcattgaaga gtagatagcc attatgaacg cgatactgag ggtagctaga aggatcatgt   180

tgaaccttgt cccgtaacgt ctgaatatca aagtcgtgct cgagtgtttg ttggatttcg   240

cgcagaaagt caaactgatg aactgaaagc acgagtagct ggccggcgag agagtngcat   300

ccgcacaaca tttgtggcac ctcgcttgta ttgtatggtg taattaagcc tagtaacttg   360

gaaagatagt agtgctgctc ccgggtctaa atca   394

<210>   30832
<211>   302
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30832

ctcagctgct cgctacgaga caaaccctag aatttgtgat cagatatttc gcgcttagcg   60

cacaaccact tacactcgct cagcgagaca tgctctntag agcacgcctt cgtaagctga   120

gaagcctaag agcctttaat aacactaaga atagagggag ttctttatct tagtatttaa   180

gccttgttgc ttatgaaggg ctgaacactt cattgttgat gacgtctcta ctgagcactc   240

ttaatgtaaa actcctaact atctatttaa atgtacttgc tagtcgttca ttggctctat   300

ct   302

<210>   30833
<211>   386
<212>   DNA
<213>   Glycine max

<400>   30833

tttcttgtgt atccaatacc ctgatgagga tgtcccatat gttcttaaaa ctggactgat   60

ccatttgctt ccaaagtttc atggtcttgc aagtgaagac ccacacaagc atctgaaaga   120

attccatatt gtttgctcca ccatgaaacc accagatgtc caagaggatc acatatttct   180

gaaggccttt cctcattctt tagagggagt ggcaaaggac tggctatatt accttgctcc   240

aaagtccatc acgagttggg atgacctcaa gagagtattc ttataaaaca ttttccctgc   300

ttccaggacc acgaccatct gaaaagatat tttaggcatt acaaaactca gtggagagag   360

cctatatgaa tattgtgaga gattta

<210>   30834
<211>   297
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30834

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tgggccagat cgctatttgc acccctatt tactaaatgc accccccttc tattattttc   120

tttgtaattc tttttccgta acgctacgag actgtgcgaa ttttgttgcg atacttattg   180

tccttgcgca gggttacgaa tccttacgga ttatgtattt actctttttt agctttcgaa   240

gaagttactg aaactcacgg attgtgcaan aacacctctt ttcaatttcc cgcacat   297

<210>   30835
<211>   317
<212>   DNA
<213>   Glycine max

<400>   30835

tttcttattg tttataaagt actggatcta ttggtctagt taacttctta ccaatcatat   60

ttgttcggct aagattcttc tagatttaac tctgatccat taaatgttga tttttgtgca   120

caaattagag atgatgttga ttgtttaagg agttctccaa gtaaccaagt taaaatggtt   180

ctctttggat tgcaatctta gaagtaatgt tacattggtt ggaatacagt gcttcaaaat   240

ttatagatag ccttcatttt ttagttaatt gagaatgcga catcctcttg gattcatatt   300

ggtgttcctg tatttgc   317

<210>   30836
<211>   454
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30836

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tccatcaaag ctacaacctt tgcacaccat ttctgctcca aaatcgcaga aggaagccat   120

tttcggagtc gagaagagca cctctccatt gtgggacctc acatttcacg tttgggtaga   180

cttcttctca cataaatttt cgtgggtatt gcgttttggg agatatgatg ggtagttnta   240

ctaggtttat gcctcatgat agttatttgt gaagaaattt gatgaaagca tgttgaactt   300

gtcatgtttg gtatgagtca agcttaccca ttctgttgta gggttnttat gatgatgctc   360

gtatgctgaa atggctgatg gaaaaatgat aaagatgaac ggtagaatta acctangggt   420

taaaagtgag aatgtagtga tatgagtgga aaag   454

<210>   30837
<211>   246
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30837

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aaatgacaat atgagtatca aagtccacat tctgtgtgcc ttaatttgta tgtctgggtt   120

aataattttt caaggagttt tattcttgta aaactatgtc aattcttact gaagatgctg   180

aagctctatt attattcaaa gtacaagttc tgctagctaa gctcnaataa catatctaga   240

gtctca   246

<210>   30838
<211>   364
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30838

agctntattc acactgaaga ggacaaaaga gactttgttg atcaaattga ggttggtgaa   60

ttggaaaatt cagttgcgga ggatattcat gagtcaaata aaaggaaaac tcctttcgaa   120

ggtttgtctt ctccatccta ccaaatttga cctggtgttt cttagaagtt aaaattagca   180

atttatattt attntgttat tcaatattct gattggaatt tccaaatgat ttttccaatt   240

acagtattat tgcctgatcc tttcttgaat agttgttgca cactagcttc tttgcctatn   300

agaatttatt gatgtcataa acaacatgta ttctangtat gtttgaataa tcttctccgt   360

aaac   364

<210>   30839
<211>   479
<212>   DNA
<213>   Glycine max

<400>   30839

acgcacaccc tgagctgcac cacgtgtggg cgtaaacgcc tcccccccc ccagagcatg   60

accatcgaaa accccttaag accgcccgac agagcgcagc gtaacgagca cactccacga   120

ttagactgct gaccaagcac cacgggagca accaagcatc gacaccccac caacccgaga   180

caataacgac ctaaaaacgc agggacaaag tcagaaaaaa atggcaaacc cgcgtggaca   240

gaaggcgcaa cacctggggg gaagaagagg gtaaacacag ccgagcaacc gacggacaaa   300

cgcgacagag aaccgcgaga acagccgagc gattcgcggg cgagacgaag ggagcaagta   360

cgcagaggaa accggcgacc aaaggacgaa aacaaggggc gccacacgcg gagctcacta   420

aagacaaaag gcgagaacga cggggaaaga aaggggacag acagactcac acaccaacg   479

<210>   30840
<211>   349
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30840

naagcttatg atggtgttca atatttatgg gggngattgt acatcaaaaa aagatgagaa   60

aaatgaaaac attnttttg taatgaaaaa tgaaaagatt aacaccaaaa agaagaaggt   120

gttggagaca ccgatattaa tagctgcaaa gaacggtgtg acagaaatgg tagagaaaat   180

cattgactcg ttcccagtag ctgttcatga tatggatgcc aagaaaaaaa atatagtgct   240

attggcagta gagaacagac aaacttactt atataacttc ttgctcaaca agaaaaatct   300

aaaggaaagt aatatattcg gaaaagtgga taacaaggga aacagtgca   349

<210>   30841
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30841

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cttttctgat caggtacatg gacatgagtt angcacccaa atactttaaa gtaatctact   120

ntaggtttga ttccactcca catctcttct ggagttttat ctttcactgt caatgtggga   180

ctcctgtnga gaacatgaac tgtccatttt gcagcttctg gccaaaaagc cttaagtact   240

tgtttgtcac aaagcatgca ccggaccata ttcataatgg ttcgatttta cacttcgcta   300

cgccgttttg ttgtggagtg taagatgtng tgagttgcct gcttatgcca tgaattntac   360

aaaatcatta actcatttga ggtgaatcac ccccctatc tgtgcgtaac aacatat   417

<210>   30842
<211>   184
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30842

tgcaccaata gataacatct ttngatgagg atnagcactt ncagactgtg ganctccatt   60

atntntcata tgactttaac aaattgttaa gtcataatac atttatgtct taaagatgaa   120

ttangactcc taattanttt gattagatga aaataaatat aaatggtaaa aagtgtgtct   180

aata   184

<210>   30843
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30843

cttctacatt caacctacag tcttctcana tgtttatgta catctttcta gttgcattnt   60

caccttatca gaagagactc tgnaaagtta aaatacaact cataatgctt tcaattgaat   120

ntgtaacaat caccaggatg gcatgctgat tgcanaggat gagatctttg gtccagtcaa   180

tccatattan naatcaagta agaaaacaac tagtgttagt taattacttt gcagagaatg   240

gtattatact accatacatg tgttgtgctt tgtgcattaa tttttgtgtt gatgactcca   300

gggaccttgg tgaggtagtt catagagcga acaacacacg ttactggctt gcggcaggaa   360

gtgtcacaaa gaacatggac actgcaaaca ctttgacgcg ggcactgaga gttggaacag   420

tttggataaa ctgctttgac aca

<210>   30844
<211>   403
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30844

agctngtgat tgttaaatat atatataaaa agaaaaattc cttgaggttt tgcacttgca   60

cgtttgagaa gaaaactcac tcgaccagga gcttgtggaa aatgcccaaa gacaattgtg   120

ataatagggt acatctgatg ttagtcactc atgcagactc cttatgattc cttatgaatc   180

caaaggtggc ctttcttgta caaattcttt cgggatcaac ccatgacatc aagttttagc   240

aagatcaact gacccatggc atgactctat gatattaaat caggaaagtt tcacttggtc   300

acataccaaa gtgtgacaat ccattgccat ccttcaatgg ggtgcatgat cgatcccaaa   360

gccatatatt ttcttgttgt gcagaaataa tcaaagcttt aaa   403

<210>   30845
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30845

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acctggagat atgtcgcggg ggtcaggaga ccttgnggac gtcaggtggn gtgctattgc   120

ccanaaccaa gcttgaccaa tcccaaccca acccgggcat agtcggtcag tgagaacctg   180

tgatgtacct aagcaggcga gctcctngca gtcaacagat aanagganta caagaccaca   240

aagcaaggag gcttgtggtg gctggccagc tgtgaatttt gtgtaatatg tggattgtgg   300

tctctgggta atcgatacca naggtgagta atcgattaca aggcttanaa tngaggacag   360

gaggctaaga tggtctctgg taatcgatta ccaaggggtg taatcgatta cc   412

<210>   30846
<211>   366
<212>   DNA
<213>   Glycine max

agcttctttg agaaatcttc tntgagaagc tagagcttag ctacacacac ncctctaata   60

actaagctca cctccttgag aaagctcctt gagaagattc ctaaagaagc tagagcttag   120

gtacacacac cccctataat agctaagctc acccccatgc caaaattcat gaaaatataa   180

aaaaaaaagc tctattacaa agactactca aaatttcctg aaatacaagg gctaaaccct   240

atactacttg aatggccaaa atacaaggcc canaagagga aaaaccaatt cttacattta   300

caaagaagaa tggatccaac cttgacccat gggctaaaaa atctacccta gggtcatgag   360

aaccct   366

<210>   30847
<211>   488
<212>   DNA
<213>   Glycine max

ntgaattcca gtccaaactc acttcacaaa atctaatttc aggcttatat aggtggcctt   60

attcgtgctc ttgcgcttag tgcacgaatg gagcgcttag cgcacgttag tggattttgg   120

cttagcgcgc ctttctcgct taatggatga actgaagcag tgcgcttaga gagatgaagc   180

agtgcgctta gcgaacctgt acaactcatc ttcttctgga ttcttcctcg cgcttagccc   240

aggagtgttg cgcttagcgg atgctcgcta agccaacaga ttggcttagc aagaaggtga   300

aaacaacctt tttccaaagc tntcctaatt aacctanaat tgagagaaaa tgattattaa   360

acacaaaana tgaaaatact aagtatttat tacctatact taacataaaa tacttataac   420

attacaaaat aaccataaat taagagagtn tgatgcaatn tatancaagt ttatacacaa   480

aagttagt   488

<210>   30848
<211>   370
<212>   DNA
<213>   Glycine max

<400>   30848

agcttcagtt tagtgactat cttcaagtgt acatgaatcc taaataacat ctacttaaaa   60

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gtaataaact cttttaaacca gaaaatccca tgacacaacc aagcagccgt ttgtgggaga   120

tgaggtttgt ctcgttgata tggtccttgc ggccatttgc acatgaataa ataaaaccac   180

agcgctgcga acccttcaca aacggcggca acagagtgat ttgcggtgcc aattttgggg   240

tgttagggtg gagctgtgcc ttttggtgtg ggagggtggc ggtagggtgg gtgttatgaa   300

ttttcaataa atcttataaa atatcaaatg agcaccataa cacattacat tacgttagat   360

catcaagaga                                                          370
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<210>   30849
<211>   76
<212>   DNA
<213>   Glycine max

<400>   30849

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tgaactcctt attcctttga gcataagcgg caagcttcat tcaatgtaaa gaggggcttt    60

ccactccttg aaccct                                                    76
```

<210>   30850
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30850

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tttctnattt ttctcctcct tgatnctggc catctcttag acttcgtcct ttatctctta    60

ttccaccctc atgttttctt gttctgcgat tcttgaaaaa tacctcattg ttgatggttc   120

cncgactttg acggngatca tgatgtctat gccatatgta aggcggaaag tagtttcatt   180

ggttgttgtc taaggtgaat aatgataagc ccaaagtatg ctanggagtt cctccttcca   240

taaacccta gacttgttaa gtcttgtgcg cangataacc ttgtttgcta cctctgcctg    300

attgttagtc tggggtgttc aacagaagtc acgaagtgct tgatcaccta cctcatcaag   360

aattcttcat aagcttaagc tttgaattga g                                  391
```

<210>   30851
<211>   329
<212>   DNA
<213>   Glycine max
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<223>    unsure at all n locations
<400>    30851

acctatagaa actcaagctt ggtttgaggt acttacccgt tgaagactca ttattgatga    60

agatttactg acgaacgtcg aagaacggtc aaaaaccttc gcgaaatcac ttacggaaac    120

gtttcngatg cgcctcggct cgaattctct tcacggaaac aatttttacta agcacattcg    180

atagagagag aagtgcctaa ggggctgaac ccctattcta catcacttgt cccctagtc     240

atagaaaatt gtgggagaag cttgccaccc agctctccct ggcgagcagg gttgtttcct    300

ccataagcaa cagccttctg gaggaatct                                       329

<210>    30852
<211>    393
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30852

ttcttcaatg tttgcaaatt tccatgatgc cagacttttc ttctgtctcg ttcacttttg    60

tgcaataaga gtacaagacc atgtgttccc tatgttcatt tcgtcgcctt ttggacactg    120

tctcttctag aagacaacct aatggatntg ctcatttcca agcttgatag catagcctat    180

ctctcatcac caanagtttt ttaattactt gctctagctt cgtagctagg taggaagttn    240

tagttaagat catagcgtac agcttgttgt acactcttat ccctgcacac cacgcatata    300

taaatagtta aactgtctta ttttgtgatc attaatctta tgagattctg tacataagtt    360

tcaatatgca tatatccatc actattggaa gaa                                  393

<210>    30853
<211>    303
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30853

nttagttaga aaatagcata gtatgctnta atctaccatt atttctatat attncagact    60

gttgtataat gttcgaagat aaatttcaga gagccctgag ttaccaaaat ataagtgatt    120

tttttttataa aatagttaac tctattctta ccagtctgtc cccacagtgc taagatagca    180

tttgctgctt gtgacatttt aatttgattc aaaacatctt gtactgtttc aggaattctt    240

12864

aacttanact aaacactggc taaatctgga tattgttttt gtagtcacat ctacaaacac    300

atg                                                                  303


<210>    30854
<211>    402
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30854

tgctntngtt taaacccaa ttngaaattt cggagtgtcc taggtcgaag gttggaagtt      60

gaggagatta ggcacggttc caatcagaga ttaaaatact taccctgtgc ggtacttgtt     120

ggagaagagg gataaaagaa acaggccaag aagatgaagg atagcacgga tagggaaaca     180

aatgggattc tatagtggaa tattntatcc acggatatta aactctatta gttcaccttc     240

tgtatgaaca tctttttaa tagtcctctt cagagttttg acactctata aactctaatt     300

aaattggtta gatttttaa gtntatcaca tacatactca attagtcaac aagttaaaaa     360

agtagaatat atatatatat atatatatat atatatatat at                       402


<210>    30855
<211>    809
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30855

ggctcgacac acagacancg tngagcagca gcccgagtat ttgcanattt gcgngtcggc      60

nctancanta tcanacnncn nnccccccc cncnncccc cagcaacgag cgncnctatt       120

agtatnagcc catgcgnaag tcanncanga cancnnaann anacnacgag acangnncan      180

gcagaccgac gcgacgcccg nacgacggng aangacgaca cggacacgan gacanacncc      240

acgcgctagt ataagtgagc acagtactgc gcgtcgatca acgacatcng cgaggggagc      300

gagacagacg aaggcggcga cacacatacn catcgcacga gacacagaag agtancgcga     360

cggcatctcg ccagacaaga gcatcacaga cagnggagga caacgcgngc gaagcgacac     420

aagactgcac agatgacaca gacaagagac aacacgccac gacacgacgg agcgacgaac     480

aagataggaa actcgccaca cgcagcggaa caacacacga gagagcggaa tcgtgacgga     540

ggaggcgcga agaaacacgc ccacgccatc tacgaaaggg acgcgangaa caggcaacga 600

gagacgaacg acacgaaggc aggcgaacga gcaatgcacg accgggcaaa acagaacgaa 660

cgacagaacc gcgcacaacg gaacatcgcg caacgcgaca atcggcagcg cgacaacaac 720

acgaacaaac acaagcgcaa gcgatggaac aagagaggga gacccgggca gcaggcggaa 780

gancaggcca gaccagacaa acctatacg 809

ttgcttatat tatctctaaa aataactcta tggatgagat atttagaagt aatgatgatg 60

atgatgtata tataactctg ttattggacc caacaattgt gaagcatgtg caatgacaaa 120

attggcagac catgtgtgga acccaccatt agtaaaacaa attaactaac aagataggtc 180

tatgattaat cctaagaagc tcttttgatt atgcctttat ntgcatgaca tgagaagttg 240

gcaaaagtat attgaacata aaagttggcc gagaagcttg acttatctgt cacaagcatg 300

tcacatttct ttgagtgcag tgcactccct acgcctgctg gtggtggaga aagacctgcc 360

cctgtcgtga tcacaaattc acgaccacca tgctcacaca t 401

acaaatcgat gggccatctg gttgctagct tatatngcta ttaccacaag ttggcctctg 60

gttggatcgg ctctatatat tgtgtgcgcg aaaaagatta aggatatcct accaaatgga 120

ctagtcacaa aataatttct tgattgctga tattaatggt gtatttgtct gtgcagatgt 180

atgagaatat acacacatca tttctttttgc cctgcaatcg agggaaatct gcctttctag 240

gcttgtggag aacttaattc tca 263

<210>    30858
<211>    280
<212>    DNA
<213>    Glycine max

<400>    30858

tcccatggtg catacgaatg tgtgatggat tctgtggaaa gtcacggttt cagaggtgtg    60

gatgagagtt ttggaaactg cttctcctgt tgaatctgtc actcatttgt aagttttttg   120

tttttcgcaa tttaattact ctgccctttg gattttcaaa tttgtggacg tgtgttggaa   180

ctcgcgtttg tctctggaag aattgttctc acaatccaac gtcgcgtgaa tgtctgttct   240

ctcattttat tagtgcatct tacgtgttat gcctgtaatg                          280


<210>    30859
<211>    396
<212>    DNA
<213>    Glycine max

<400>    30859

ttattataac gactaataac taaacttgtt atagatattt acttattttg gatgtgtaac    60

ggggtggagt actggctgtc atcgtcacaa gggaaatgga caaaatggca aaaaatattt   120

tataataaag ctgtcattat aagggtttat ataattcgag aaataaattg tctctctctt   180

taagatcgat ctatgatact atgaaggatg aaaacttcat ctttgtgaaa gacacgagat   240

attatcgcta aaatacttat tctaaactag tagaagaatg tttataataa aaatgttcgg   300

taagaatttc actttgataa tatgtcagag aaaatattta ttttaaaatt ctccagatat   360

ggtctatttt gcgcaagttt cttatcatgg taaaat                             396


<210>    30860
<211>    359
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30860

agcttgtgct aatgtgataa ataaaaataa ctatnttcaa aatgaccact tttgaacagt    60

aatttgtaat tntgcatcaa gttggtcaat cagcccttcc tttagaacgt gttttgtttt   120

aacgtgtttg tactttgcga tgaagcagtt gaacgtgact gtaacaaatt gttgtgattc   180

tttntgttta tgtaataaag gataaaattg tttgattcac accataaacc caacacccac    240

atattctgtt atgtgttgtg tctgctgctg ctcctagagg cttcaccctt caccaaactc    300

ttctcttttc tcttcaatca cgcacgcact tctcactcat tttccagttc actttctga     359


<210>    30861
<211>    124
<212>    DNA
<213>    Glycine max

<400>    30861

tattctaaat agctctcgat agcattatga atttaggatg ctgaatctag ttgactgaaa     60

tataacctat tgagactgat gctttcaata tttaattgtg atttttttatt ataattcata    120

atga                                                                 124


<210>    30862
<211>    369
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30862

agctntctat atattcaaat ggtcagagct tttcacacgg aggaccgatt catgcgcgta     60

atatatcgag atgttcgtaa ctgaacaaca gaagctctcg agaaattcaa atggtcataa    120

cttttcactc ggatgtccaa ttcatgcgca tcacatatct agatgctcga aattcatcaa    180

ccgaagctct atagaaatgc anatggtcat aagttttcac tcggatgtca cattcaggcg    240

catcacatat cgagacgctc agaattgaac aatggatgct ctcgagatat tcaaatggtc    300

ataactttttc actcgcatgt gtccaattca ggggcatcac atatcgagac gctcgataga    360

gaacaacgg                                                           369


<210>    30863
<211>    668
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30863

gccgagaggg cacacggtca agacaagaca acgcnncacc cccgcgagac tgaacntggt     60

gagccntgga aaccacacac acaaaccaag ctccgcaacg agcaaaaagc agcgagataa    120

tcctaggaca tattactagg cagctacact gacgccatcg acgggcgatg gcggcagaca    180

agtaagcagc gctcttgacg cacaagagag gcgacactag cgaggagata cgcatgtcgc    240

ctagtgatcg cacgtattga cgatagataa tatatncgcg cgaggcgtcc ccacgtcggt    300

agcgacggac aggcgcgcac tatcgacgcg cgcgcacgac gacggaacga tctgcgactt    360

acgcgtgagt gacgacacta cgagacacaa cgttcacgcg cggcngaatc tcgactgcga    420

cgtntagaga ggcaagatcg acaatatcct ctgccctcga gtgagacgac tgacactcga    480

ctatctacac acgacgcaga cattacatgc gaatataccg actacaccgt cacatgtgct    540

atgagacgca cgagcagcga gatgacagcc acggcgacgc cactaatact acacaancga    600

cactgctgcg cgcgaacaca acacaagtca cacgaccgtg cgctggcgaa caaggaacgg    660

cactcgcc                                                            668


<210>      30864
<211>      354
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30864

agctttcaat atcaacattt ccttttccct ttactgagat gaaatcacca tttccaattt     60

ttactttgga aacaatggtt ttgtcaagtt ttttaaagag gttcaggtta ttggtcatat    120

ggtttgtgca gccgctgttt attaaccatg aatcactgga actattgctt gtgacaaagc    180

atgttgcaac aaagagttgc tcatcttctc attcctcgc aaccaccttt gcttcctctg    240

atttggactt gcatattcgc tctacatgtc ccatattgct acactntctg cacttgacat    300

ctggcctcca ccaacattnt ctttcaggat gatttgtctt tttgcaatgc ggac          354


<210>      30865
<211>      451
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30865

aggtgtnttc atccnctgca atagtcctga attgtgaaat ttatttggaa natcctactt     60

12869

tgaatatgta caaacgcatt ggtgagattg tagatntaag cataactaga catccgaagt    120

gatcttatgg gaatggaatg gactcaattg cataagtaga gaatntacaa tgaattttga    180

tggngatgga tttttcaagt tatttggttn ttaagctgac aagtatgtca acttttgngg    240

cattaatttg tagttggtgt aaaaacacta gaaaaatcaa tgaggtgtct taagacattg    300

agaacatttc tttanattct ttgtccctaa ttctaagttt tctatttatg ggattcatcc    360

tacccaaaca accaaatttg aatttatanc aattatattt tctaaaatgt gtttagtaag    420

ggttttggtt tcgttaagag ttaatgaact g                                   451


<210>    30866
<211>    394
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30866

accatcacat gtgggactaa ggggcgggcc ggcgattgtg cacaacaagg ttttcacatt     60

cacaatgggc gcataaaccc aacaatccct tggtgccacc ttcaactgag ctcaacgtac    120

tccacgtaag ccatatcctc gtttctctca acaccgggtc cccatcaatc ctctcaagct    180

ttcacaacat ccaagcagaa caacattcaa acagcacaag ctatcacagc ccagcaaaac    240

agagcaaagg gaggaaaact cttgctcaac accaaccaaa atcacagctt tttctcgctt    300

aaaagacccc agaacaattc cttcgatcca aatcgttaac cggttgatcg actcgaaaat    360

tntaatggaa gtctctagta cataagccta catn                                394


<210>    30867
<211>    475
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30867

ntgactcgga tatccgattg aggcccaata tatatcatcg ccctttatat atagaaatgt     60

actgaccacg caaattcgga cagccataac gttagactcg gattcccgat tgaagctcat    120

aatatatgga gatggtctta ggataaaaat gaagcccatc gcanatacaa acgaccataa    180

cttttccacc ggatctccga ataagccaag taacctatcg cgatgctcaa aatttatcat    240

ggaagactcg ggtgaattcc gacgggctaa acttttttact cggatgtcca attgaggccc    300

ataatatatc atcgccctcg aatatagaaa tggactgacc acgcanattc ggacagccat    360

aacgtttgac tcggattcct gattgaagct cataatatat ggagatgctc ttangataaa    420

aatgaagctc atcgcanata caaacgacca taacttttcc accggatctc cgaat          475


<210>    30868
<211>    237
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30868

agcttctact ttatgtgcan gggcggcttt cctcactttc ttgtctncaa cgcgagctct     60

gaccactgtc cctcctttct gcggtgcttc ttttcatgtc cgcttgagtg ggcttataac    120

ctaaaccata tttcccacga tttccttggg tttttatcag gctaattatg ccgccattgt    180

cttttgctaa acccatcccg ggttcataac cgttccccaa cataactcgg gccatca       237


<210>    30869
<211>    480
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30869

tcaagaaaaa gatggcctca gcanattcct ·tatttccaga agggaattct atcaatagac     60

ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttattg    120

aggcaataga tctaaatatc tgggaagcca tagaaatagg gccttatata cccaccacag    180

tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataactata gaaaaaccta    240

gagatagatg gtctgaagag gatagaanac gagtacaata caacttanaa gccaaaaaca    300

taataacatc tgccctggga atggatgaat atttcagggt ttcaaattgt aagagtgcta    360

aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatgtt aaaagatcta    420

ggataaatgc actaactcat gagtatgaat tatntagaat gaatgcgaat gaaaatattc    480


<210>    30870
<211>    309
<212>    DNA

<213>      Glycine max

<223>      unsure at all n locations
<400>      30870

agcttcatca tttcatttcg agggtctcga tatattacgg gactcaatcg gacatccgag    60

aaaaagttat tgtcatttgt atttgctcag agcatcaaca ttcaatttcg agcgtgtcga   120

tatattacgg gactcaatca gacatccgag taaaaagtta ttgtcgtttg aatttgctca   180

gagcttccgt attcaatttc gagcgtctcg aaatattaca tgactcaatc agacatccga   240

gtaaaaaatt attggtcgtt gaattttctc anagcttcaa cattcaattt cgagggtctc   300

gatatatta                                                            309


<210>      30871
<211>      447
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30871

ntgagggatt tcanacgaca ataactntnt actcggatgt ctgattgagt cccgtaatat    60

atcgagacgc tctaaattga atgttgaagc tctgaccaaa ttcaaacgac gataactttt   120

tactcggatg tctgattgag tcccgtaata catcgagacc ctcgaaattg attgttgaag   180

ctctcagcaa attcaaacga caataacatt ttactcggat gtctgattga gtcccgtaat   240

acatcgagac gctcaaaatt gaatgttgaa gctctcagca aattcaaacg acaatagctt   300

ttttactcag atgtctgatt gagtgccgta atatatcgag acgctctana ttgaatgttg   360

aagctctgac caaattcaac cgacgataaa tttttactcg gatgtcttat tgagccccga   420

aatacatcga gacgctcgaa attgaat                                        447


<210>      30872
<211>      354
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30872

agcttactat atttttttat agtttgcgct atctaaaaag actttntcan aagggttgtt    60

ttggcttttta taataaacaa gccgagccga gctgagtctt acatagaccg agtaaaaggc   120

tcttgacaag ctgttcggct cattntcatc cctatttcta atgataataa tgctcataaa  180

aaaatatatt attaaataat atcaaaatat tcaaataaaa aatttagaat aaaaaatgat  240

aaagggagaa aacataaacc tacccgcaat cacgactgtc tcaactcttc gacacctaac  300

tttattttct attntgctat ttctagatta atcacaatga ataaatatta atta  354


<210>      30873
<211>      381
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30873

ntgtntggag cttctatgga gaatgaagaa gaagaaagct acgtgagaga gggagaaaaa   60

aggcttctga atttctttct tttggctgag tgaggagaga gaacagtttt ttggtttaa  120

actaaaaggt ttttctcttt ttctattatt ttatttaagc tatgccacat gtctccattt  180

gagtggagca aaaagggccc actttctctt ttgattgtga cccatactca gccacaaaaa  240

gtgagaaaaa acctaacctt tgaaacgcta aaatcttgcc tcggtttgcg tgccatttct  300

ctggttccag ttcctcgcgt ttctctgcgt ccgttggggc cagttttcga agtaagcaa  360
                                                                   381
tatatatatc aaaacgatca g


<210>      30874
<211>      380
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30874

tgcttcattg cctaacaggc caacttacaa caggcaggtc ccaagagact cagcataatg   60

atgcatangc ccaaagttga gtatggtgaa aagattgtat gacccaagtg aaggtgcaaa  120

attgcaaaaa aagaatgaaa agctatacca aagcaagccc acaaagaaaa gggaaggaag  180

tggtaccttg aacnccagtg atgaatcctg ggacatttga gggcaaatgg tttccaagaa  240

ggaggtaatg atgagaatct tgaaactgac caaatacagg ctaaaggccc aagtggagaa  300

nggatgaaag cccagtggag aaggacaaag cccccgagtg gagaaggatg aaggcctana  360
                                                                   380
gacagagaca ttatcaagac

<210>    30875
<211>    387
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30875

tctagtccct cagataagtg tatattncgc agttatggta tgttgttaac aacacatata    60

ttgcacttag aattttccaa gatgtctata ttgaagtgtt taatggttat gtactgtcag   120

catacaagat tttgcacttg tcaaccaatt aagagtcatg tttggtgtga ttttttgggt   180

ggttattttc aaagtcaaca aacttactat agaagatgtc ttgtgcttgg atgatagtgt   240

taaagcactt tacgataatg tcagagataa tgtcagagca tatacatttg tattctatat   300

tgaatatcta ctttgctgac tcgaaacata caatctatat actcagtact tcgactagtg   360

gctgctaata taaacttttg taaacaa                                       387


<210>    30876
<211>    295
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30876

agcttggatg tgacttanag caaanaagaa ggttcctgct ttccgtggac aaatggattg    60

caaaccccga tggtttcggt ggtaaaattt attaaaaaac ttccattttt gcaggagaag   120

gtgaatggtg atgggggggtt tgtacgggtt ttttaatcat tgtgcgaacc ttggagatgc   180

tggtagattg tagaatgtac tgaaatgtgg ctacggacca aaattatcag aacagaacac   240

aacagtcttt gtttttgttt taatttattc atgtagagaa gtttattatg ggagt          295


<210>    30877
<211>    332
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    30877

ctttatatca tgctgttctt attacagtca tagagtccct ttcatagctt atanttttga    60

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tcgttagata tatacggaat ttggggggtcg atggattaaa taattttttgc ctataaaaaa    120

attgtgtcac actacagctt agccatgttc actaccctaa acaaagtcaa tacttgttta    180

gatcaatgta tgaacgtgta taacgcatac atgtgcatgc atgacccaca agtgcataac    240

tgaagcccac ctttgtcctt cattgccacc aacgaagtca agtcaccaaa ctttacttta    300

cttcaaccac aagggtgtaa ttcttcggta tt                                  332


<210>      30878
<211>      355
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30878

tcgattcatt ctatgtgccc gtagtggtcc acattgtgtt tcgtgcattt atattctcgt    60

tttggttact ttgtataccc cctgttgacg tgcttaagcc attntactta agtcatttct    120

cgcttaactt aaaaataaaa taaatttcca ccgaacgttt gaattgtatt atccattaac    180

ttcggttaaa ataaattccg accgttcggt cgtgccgtaa ccacgttgga aatcaaaaag    240

aggtaaaaaa taatacaata atcaaaaaga catcttttag taaaataaag cgganaatca    300

agtggacgtt ttctctttgg gatntctcat tcttaatcga attgattaat aacta         355


<210>      30879
<211>      386
<212>      DNA
<213>      Glycine max

<400>      30879

agcccggcca ccgcgagctg aacaacagac cacccccccc gagaatgagc tgaaacgcca    60

aaaccccccga agagagccac actcagacca gcgttaatcc acacccacgc ccggaaggga    120

aaacacaacg cacaacagaa cgcacaccgc cgaaaaggaa aacaacggga gaaaagcgca    180

cacgaccgga tagaaggaag caggcgaaca gcgaacgacc cccacaaacg gcgacggacg    240

aaacacacgc caaaaacacg ccaaagcagc agcggagggc ggacaaggac ggacgcacag    300

caaaggggac cacacccgac aacaagctcg aagggcggca aaaggcgcgc accgcgaaca    360

ccgagcccga aagcagcaac tacacg                                        386
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12875

<210>   30880
<211>   329
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30880

ttgcttaatt atatgtggac taaaccggtc cattggacca tgtgtatttt gcctatccta   60

gacaacctat ataacttttt ttttatttct gcagcgcatg caaaacgaac tcactggtct   120

ggttttttcta ttcaactaaa caccttatat atactttatt ttaattcact ctntttattt   180

ccatttatca tattcatctt ctcacaacca aacacagatt gccgtatata aatcatgtaa   240

ataattttgg aaaaaggatg catgaatcta tgagaatgaa aatgaaaaca tggattcgat   300

atncacaaat atgatgaaat ggtggtgca   329

<210>   30881
<211>   565
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30881

cgtcccacta cattccacac gccattccaa tatctgcgaa tcttcttcnt cnnntaccgc   60

ccaaccagag cgcgttgcac cgtgtttgat ccctttctat aactgaccta taaatctcag   120

cttgcgctag ggcaagtgca tctgatgatg gttgcctatg tatttgaaga cactctctag   180

acttcaagcc attgacacca ttggctagag aatggtgatt aaatgggagg tcaagatatc   240

tagcgaaaga ttacgatcat tgactgagag tggtctgcat gatcagtatt tctctgatgt   300

atctttgcca ggattatcaa gaactctatt tttcgtgctg tattaatgga acgatatatc   360

tgtgttactc ctggaattcg aacacctagt ttcctttttt tgattgtgaa ccatacataa   420

tccaaataag gatgctttgt ttatttgcaa actaagcaaa tatctaaata tattcttttg   480

acaactgcgc ggtaataaga catcaaaaag attttctgct tactccactg ctgaactcac   540

tacttttctc tgtttattga tgctc   565

<210>   30882
<211>   377
<212>   DNA
<213>   Glycine max

12876

<400>   30882

agcttattgt attatgtaac aatgatgtca ggttttgaga aactaaggtg ttaaaagata   60

acaaggaaaa tgatagaaaa caggtaactg aacaacttgt gcgattgtgc gattgttctg   120

acagttgata cattatcatc atggtggatt gtgactntgt gagttgtggg attccttcta   180

tatttaacat ctttgaaaca taaagcagcc actggatgtg gatgttgaat cgtgttatct   240

ctgcatcacg aattatgttg cgtccttgtt gtatcgttgc ttttggcatt gaatttcaag   300

agtatgatta taaatgtcca gttcttaatc ttcccggcaa ttaaagcaat gctagcataa   360

gttttttaaa agatata   377

<210>   30883
<211>   456
<212>   DNA
<213>   Glycine max

<400>   30883

ctgaatntac taggtttaaa natataaaga taagagggaa aaaatatcaa aaatactcac   60

aatacttgta atctttccaa tgcaaggagg tgcatctaaa atactataat ttggtttgcc   120

gctatatcca acaatcttca agttgggctt aagggataga tagccaacat ggattgaacc   180

ttgtctgtag cacaggaatt aagaaaatca tttgcttttg actgtatgga tagtgactcg   240

tgtattgact tcctttccaa aatctttgtc gtcctcttaa ggattntaat ttgctgtttt   300

agttaatggc ttactgctat agggattcaa ttcccaagca ttagnttntg ctnttgtttt   360

tcttttcttc ttataataga aaaaactaan aaaggcaaaa ttaattgagt tgggaatgga   420

tctttngcaa tatttttatc actatatgga atcata   456

<210>   30884
<211>   369
<212>   DNA
<213>   Glycine max

<400>   30884

agctngttct tcttctgngt aactacaacg atcttggtct tcttcttctt cacgacagtg   60

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ataccttgcc accttaccta ggtacaggtt tcacgactct tttgttgttt taactacaac    120

ggtcttcgta ttgtttgttt gtttggggaa gtcgtgctca ttgcaacaat agttgtttgt    180

ttgtgttgca aggagttggt ttgtggaact catgctcgct gcaaggaatt ggtgtgtgga    240

actcgtggtg attgctanng gctgttgggg tgctgactat gcaaaccgtt cggggtggtc    300

actcgtgctg gcaaggtgtc attttgagtg agggtaattc aaatgttntg tgtcctttga    360

atgcttaat                                                           369
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<210>   30885
<211>   475
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30885

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tgacnccctg caanacgtga ctcgatgctc agcgacctta aagcacaact ttgctggctc     60

aactccgagt tcttagatta taaagatatc cttgtaccac tacagcttgg tatcatatca    120

ggacaataag ccttctgaaa tcgagacaag agagtgatcg ataccgctgc tgacaagtgt    180

aaactacacc ttgaccgtga atactatacc agaccctatc ctaagctagt tactaagaga    240

ttatatagag tattgcgcat acacagtgca tgtgagatat tatcactact catacactca    300

attcaatcga tctatttgtc tattcacgag aactcataaa ttctcttctc tatactagaa    360

tctcagcgag atctcctcat aatgtgcacc tacaccgaga agcaaacagt gcatcaatta    420

ctattcatca gctatcagtg ctattttctg gtctctgagt cctaagacta attct         475
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<210>   30886
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30886

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agcttgtttg gttctccttt gccaatgtca aatctgtaac ctggtggaag ccacagaacc     60

caatgttttc ttttgtcatt ctacttatgt agtagaatat agtataccag ctccatttac    120

aaagacttga aaagactaac cattccttcc atctttgagg taaatngacc accacattgt    180

tgcttcagtt ttgtcaaaat acttctctca tgatcatcat tggcactctt gtcaaaaagg    240
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agccttcgag caagcttctt cctacaagca atcacgcaag aacatgtntg actattcttt   300

tgcaagcatc ttacagtang aaaaaaggta atgatgacac tcaaattagc cacagaaagc   360

agaattcaat gatagactac ca   382

<210>   30887
<211>   588
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30887

ggggcaggcg tgtcagacgn cgcgacgagg ataangcgac gtggcnccnc cacccccccc   60

gacgagcaac ttgaccccat ggatagaacc cantgggaan ancacacaca ctcagaanac   120

ataacgatgc gccgcgggac cacgagacag caaggcagaa ggatagcctc gcggtacttg   180

acaagccctc tgcgagacga gcaacggcgc tgaccgccat gggcaggagg aatcgccact   240

gaaacgcgag gccaagaagc tccacggccc cagccgcatc actggctgac agtgagcggg   300

ccgaatcccc tnccagcaga ggagctgcgc cgagatccca ggcgacagca cggtggcgcg   360

acgaagaagg gaaagaacag tcaggcctcc aaggcaaacg caaacccggg taccccgtgc   420

cggctgaacc cgcacggagc acacgaggat gctcgcttga cgcgacacgc cccggagcac   480

agaccggcgn ccaatagacc cagccgcccg caggaggcag acacacaatc gggacacggc   540

agaagaccag cggtcacaca aaaacggaga cgaagagacc ggcccgcc   588

<210>   30888
<211>   628
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30888

ctctcagcgc tctcatcgta caanctcctt atactactta ctggnnttct tcaaattgtt   60

agatcgtata nngtatannn annnncaacg agtgtgcntt ttgatgcctt tgtaantcca   120

tggcaaatac aaactcggta ctcgtggatt ctctacactc gacctgcacg catgcacagc   180

atgttccgat tatttgtgta tatcatcaca tgtaggtact attgaggatg tacgggcaaa   240

cggtacataa tacaatatct cccatcatct atcaatatct acatatacaa ctccatccat   300

ccctctagtt gtcccactct tcacactgaa gcacacatta cgtcacatcg tagccactta 360

taccgcgata taactcatac acctgagccc tattctatac ctacataagc tttccaccaa 420

tcattcaagg taatttaatc atctcactca tctcaatatt atctaaaacc aatcaactat 480

agtgaacata gcacaataca ttgaaccata cttactccta ataataatc ttctacaaca 540

tatatgaaac cctcataaac aattacgtat atcatacggt tcatcattct aagaatttat 600

atggatatcc ctaatcatat gccataat 628

<210>   30889
<211>   337
<212>   DNA
<213>   Glycine max

<400>   30889

agcttgttga atgactggac atgatatatg tcagggtgtt ggttcggaca gcagtccagg   60

ggtaaaggga tgtcccacat tatttccatg acacgcgcgc aacaatgatg attcagaaat   120

tctatgcaaa actggtcaca cattcaccta tgtggacact caagcatcaa gatttggtgg   180

tcacgcgaca ctatggctca ggattcatta tttttcctat ttaagtcaac tcattgtttc   240

caaaatatgc tccttgatca aatcatgcat tcatctgagt ccattttggg cgttctggaa   300

aattatctca acattcaccc ttcaggtgcg tacatat   337

<210>   30890
<211>   299
<212>   DNA
<213>   Glycine max

<400>   30890

atgtggaagt cggcctatgg atcactacat agattacaga gacactaatc acgcataaac   60

cctccatacg atgatgtcct aattcaactg aactcactta ctacaacgaa gcccatatgc   120

tcgattctct caacactcgg ggccgaatcc atcctgccaa gctgtaccaa cctccgcgta   180

ctacaacatt caaacagcac aaaataggca tccaggcata acaaggcaaa ggcggaacac   240

tctgccctaa acaccaacct agatcacagc ttttatgact gaaagacctc agtaacaat   299

<210>   30891
<211>   320
<212>   DNA

<213> Glycine max

<400> 30891

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tacatatgta ctgacctaga gccaacataa cactataggc atgcatcatt accgttgaca    60

ctgcagccga tgcgattact atatgctaca tgctccatat tgataccaat ctacatggca   120

caccttcaat acgtacactt ggcaaacaca ttcaactctt caacctcatg ctcacgcttc   180

tctttcacat cttcacctaa tggcctacga tgaccttcat ttgcatgtac tgtctgacta   240

gcgtcccgtc ttatcttcga cagcatcatg catatcctct tcatgcgcca ccgacgaaga   300

aaactgtaat tatctatcgc                                               320
```

<210>   30892
<211>   97
<212>   DNA
<213>   Glycine max

<400>   30892

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agctgtttga tatattatgc tcctgaatcg gacctcctag ttctaagtca tgaccattta    60

actctcctga tagcctccgc agatcaatct tgagcct                             97
```

<210>   30893
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30893

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ctatagcaaa ctcaagctnt caagaaattc aaatggtcct aacttttaac tcggaggttt    60

gattgatgtt tataatatat cgacacgctc caaattgaac aatggaagct cttgagcaat   120

tcaaatggtc ataaatagtc actcggaggt ccgattcatg cgcataattt atcaagacgc   180

tcgaaattga acaacagaag ctttcaagaa attcaaatgg tcataacttt taagtcggat   240

gtccgattca ggcacataat atatcgagac tcacgaaatt gaacaacgga agctctcgag   300

aaattcaaat ggtcaaaact tttaactcgg atgtccgatt caagcacata atatatcgag   360

acgcgcataa ttgaacaacg gaagctctcg agaaattcaa atggtctaac tt           412
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<210>   30894
<211>   240
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<212>   DNA
<213>   Glycine max

<400>   30894

accatagtca tggataggaa ccggaagaag acgcccctaa tatctgtcac ctgtatcaga   60

tatcatggtc agaagctttt cgccaaactc agcaatatga ccaatgtata tgcggacata   120

gcaaaatgct cccagatgct caaagagtga gcatctggcg ttgaatattt ttctattctt   180

cttagcacaa ttggaatctc tatgagcctg atactatcac cttatctcat aaaagatcct   240

<210>   30895
<211>   200
<212>   DNA
<213>   Glycine max

<400>   30895

agcttgactt gagtcatgaa gagaatataa atatgtggcc atgttatgag gtttatataa   60

tcatccttcc aacgatctta tcaactatca atcattcttt ggatcatcct atctttcaat   120

tcttttttaa catccattgt caaacatttt tcaatgaatc tttcaatagt ctttctatgg   180

aaattttcga ttcatttctc   200

<210>   30896
<211>   259
<212>   DNA
<213>   Glycine max

<400>   30896

accctttatt gctaattcat ctcctagaac tcaagtacaa agtctacctg acaatctttc   60

attctacttt acttggcata atacattaca ggacactaaa cccaagtacc ttgtaccaac   120

ccaagctgct tgtacaacct atataccagg ccccttgatc attctaaaac caagatccct   180

tatcgtactc tacactacac accatgcaag tcaagtaaca aacaactccc caactttgca   240

cactcatcag gatgcatac   259

<210>   30897
<211>   574
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   30897

cacacccact cacgtcagta actnagnaaa atatantaat aatcgaatac tcccaaaact   60

catgtncagg ataattatnt ccacagggct acaggncnac gttgaaacca tgttagaacc   120

nnctgcaann acgcgacacn anagaanact caagctggct tgccttaaga tgacaaaggg   180

atgttataaa aattctatcc atacacactg agtcctcaag aaaggctgca gacgaccatg   240

atggctttcg ggtgtcaaag agctcactta gactctggct gaataaaggg agactaaagt   300

agtctcggac ggtgcacatc gagtcttcga caaaagggac agacgaccat ctttgtctct   360

gcgtgaatca cacttgattg cctcaggatg acgaggggga gacctaaaga cccccagtcg   420

ataaacaacg agtccacgaa caacagtgca caccaccatg tcggtctcta ctcttcgaca   480

aacatgattg cctccggatg aagacgcgga cactaacgta atctcgaacg aacaacatct   540

acacctcaac aaataggcgc acaaaaccat gtcg   574

<210>   30898
<211>   379
<212>   DNA
<213>   Glycine max

<400>   30898

ctgcgcgctt caatcttgtt gtaaactgaa taggccacaa cggtcgagac cacacatcta   60

ttcttagctt aattaaactg cagaatcaaa tcataagcac aaccagttct gtataactat   120

caatcacaac ggccatcaag tgataaccaa ctaataaaca agcgaaagta catacgatga   180

tgttcaacgg attgtggaat tgaaactcaa gaattgaaca accttcgaca taatatcagt   240

gcttattata gaaactgtgg aggtatacga atatgtgtga aagaaaataa cacttaatat   300

taactagatt aatgctgact gaatactatc taatgtcttg acaagtactt cgtgataata   360

cctggaatat ataccttca   379

<210>   30899
<211>   414
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30899

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tgttcttcaa ttagaattgg agttttacct atgtaatata tgttgatctt ttatagaaga   120

tttattacg tggattatca agatgaaact ccaattctga tcggagaaca acactaaaaa   180

cacttaagaa actacaccta agttttgtcc tttatttat agtaactttg ttcataaagt   240

tactagaatg atcaataaac tacaaatttg tggttgaata ggaactgaga cgtttcccaa   300

ctctccaagc cgaaatagca gcagctacaa atgaggcttt agagaggttc cgcgaagaga   360

gtaagaagac agctatgcgg cttgtggaca tggaagcttc ctatctcact gtgg   414

    <210>   30900
    <211>   397
    <212>   DNA
    <213>   Glycine max

    <400>   30900

cagttttcca cttgtactcg tgataaaatt aaagaaacat gttagattaa gtatcccaca   60

atttaagcaa gaataacttc attttggctt ccaaccttac tggtatctag gcattactat   120

gtaacacata cgttttctac tatgacatag tgcatagatc ctaccaataa ttttcaagta   180

ctaattaatt aaataattga aagttgaaac tacactatcg atatacattg attagcttca   240

caacttgcta acactagaac actgaaacat tcttcatttt acacaaaaaa tactaataag   300

aaataaaaag actgcgtggt gttggaagaa ccaaaacgta gcaaactaca ctataactca   360

ttgcttaaag catgaacaat cttaacctga ggaaaac   397

    <210>   30901
    <211>   318
    <212>   DNA
    <213>   Glycine max

    <223>   unsure at all n locations
    <400>   30901

ntgcggattt ggtcttcgcc agagaattga tcgatgtgtt ttctaacaga ggcaaatttg   60

atcatcctac taggacgact gagaaaactg gggcaaatga agagggtgag aaagagggag   120

aaacccatgc tgtgactgcc attcctatac ggccaaggtt cccaccaaac ccaacaatgt   180

cattacttag tcaataacaa acctactcct tacccaccac ccagttatcc acaaaggcca   240

tccctaaatc aaccacaaaa cctgtctacc gcacttccaa tgacgaagac caccttatc   300

12884

acaaaccaaa aaaacacc

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<210>      30902
<211>      383
<212>      DNA
<213>      Glycine max

<400>      30902

agcttatgtg attatagtag ctcagctgta tcattggtta aagaattggg gggcattgaa   60

cttttggctc ataggttaca gaaagaggta cacagagtca ttggtttggt tggaggaact  120

gataacatga tgcttactgg tgaaagcttg ggacatagta ctgatcaatt gtactcccag  180

aagagactca taaaggtctc ccttaaggcg cttggttctg caacatatcg cacctgcaaa  240

ctctaccaga tctcaacatt ctcaagacag ttcattacct ataactctaa acttgatttt  300

taaaaatgaa gataaagttg gaggtgacat ttattattca gctgtactga tatgagtgaa  360

taattcacaa aatcctacct ttt                                          383


<210>      30903
<211>      475
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30903

cctactccac caatattatc tttatataan gtgtatttat nctatattac anctctacna   60

caacagaaaa ttgagcatga anctttgaac cagcagaccg ggatcttgga gcaccagcag  120

cagcagcgtt ttctcattcc tctgtttacg agcaaaagta gacagcctac tcgttagact  180

aattaaaact aagattccta ctctatccta tgctggacta gaccagctta taagctgaca  240

aagttagacc aattagccta agcatagcct cattcccgct attggactag atgagaccaa  300

caacattatt ctaacagcat atcttaaacc aaacttaatc cgcaaccctc attaagacta  360

gattcatcct gctaattaaa gttaatgcac agaaatttcc atgctaagta cctagcctgc  420

cacatagggg gacgaccaca gctacaaatc tatcacttaa tgagcatgac acacg        475


<210>      30904
<211>      305
<212>      DNA
<213>      Glycine max
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<223>   unsure at all n locations
<400>   30904

agcttatgga ttatagtagc tcagctgtat cattgtttaa agaattgggg ggcattgaac   60

ttttggctca gaggttacag aaagaggtac acagagtcat tggtttggtt ggaggaactg   120

ataacatgat gcttactggt gaaagcttgn gacatagtac tgatcaattg tactcccaga   180

agagactcat aaaggtctcc cttaaggcgc ttggttctgc aacatacgca cctgcaaact   240

ctaccagatc tcaacattct caagacagtt cattacctat aactctaagc ttgattttta   300
                                                                     305
agaat

<210>   30905
<211>   411
<212>   DNA
<213>   Glycine max

<400>   30905

tgtaagtatt cgtgactcat gagattcatg gaaagtaagc atttgttctt actcaagtat   60

gtagaattat taatttttgt tgttatcctg actctggaga tctgcagttt aaccatatgt   120

tttatggaat tgttcaatta caacatagtt cacttttttag taaatattaa aatgaaagtc   180

tacttgtttt acagagataa atagatgttt tgcatggttg aattttgtta attagtgtga   240

gcttgaagat gtatgctaaa atgactctgt tactagttaa atttggcaaa aaaataaaaa   300

taaaaatcag cattctacat ctacatcggt tgtagaccaa aaacgatgta gaaactctac   360

attctacatc ggttggatct cataacgatg tagaaacttc acaattctac a   411

<210>   30906
<211>   93
<212>   DNA
<213>   Glycine max

<400>   30906

tagcttttta ctctatacta agtaatgagc ggtcacttct gagacagata tatatacata   60
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tatacatata tatatatata tatctataca tat

<210>   30907
<211>   400
<212>   DNA

12886

<400>   30907

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tagactaatt taaactaagt ttcgtcctca gatccctcat gttggactag acacagctta   120

aatagcttac aaaagtttag actaatttag cctaagcttt gtcctcatat ccctcttatt   180

ggactagact tagaccaaac aacattattc taacagcata tttaaaacca aaacttaatc   240

cgcagatccc tcatttaaga ctaagtttca atcctgcttc attcaagttc taaggcaaca   300

gtacatttcc caatgctaaa gtcacctaac catgcacaca aatggttgat cagaccaaaa   360

                                                                       400
gcatacagaa tttaagcact aagagaagca ttgaacacaa

<400>   30908

tactgcgaca tgaaagagtg gtcagcgctt tcagatttct cctagcccag caggctgtca   60

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tctcatgcag ctcatactct taagactgtc actctatatg acatgctcca tattatatgc   180

agcatgcagg tcatatcatc accatatact atatggactg ctacttctgt cgacaagatc   240

agtctcttta gaatctataa ctgatccaga cccaaccgac tggagtgata cctatgtaag   300

agcattcctt caaacgtttc tttgaatctt caatacgcag ctcacatatc tcaaacacta   360

                                                                       372
gcaccgtaca tg

<400>   30909

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atggatggcg cctcctctca cctcctttcc tttgtcttcc gctgcatctc catggtggaa   120

aatcaccatt aaaggacccc attgaagctc aaagatccag cctccataga agccccacaa   180

gcaagcttcc atcatagaag ggtcagaatg gtcgaggcag atcaaagtca agagggaaag 240

gtcaaagaaa atttcaaagt ggcattactt gttggaattg tgacaagaga ggtcacttca 300

gcaatcagtg taagccacca aagaagatca agtcgcacaa aaacaagaag cgcgatgatg 360

atgaatccac aaatgcagca actgatgaac ttgatgatgc at 402

<210>   30910
<211>   416
<212>   DNA
<213>   Glycine max

<400>   30910

gcgcgggtct gggagacgaa gggcaagtgg aacgttatat acgattatga tgttccgagt 60

acattggatt tggtacgacc atgccctcct gatttccagg tgggaaattg gcgagaggag 120

gaacgccctg acattgactc agcgagcata atgtcaacct ttacggatct aaaagctcta 180

tagctgggcc taggctttag aagttttcct ttggttaagg ctttgtgact ttcgtttttg 240

aatttataat acaaggacct tgtttcatct gttcctacgt atctacccat tctcattcat 300

ttgcatgatg acttcttttt ctaaaacggc agatccgatg acgagtccct cgaaggtatt 360

aatacctggg acccgcctat caacttcgag caagagatga atcacaccga atatga 416

<210>   30911
<211>   349
<212>   DNA
<213>   Glycine max

<400>   30911

agcttgtaat atgtctagcc aactatatgt tcagttactg gtggcctgtg gaagatgatt 60

gggttttta ctgcattgta taatgaatga tcgaggccgt acccgaatca ataatcatt 120

aaaaatacag tatttaggaa gtgatcctag gtcgtctccc aacgagcaat ggtcaaccaa 180

atgttcataa cagatagtaa taaaacagta acgaattggg gggggggggt tgtttgttta 240

tagaaactac acaatcataa aattctaatt gtactatatc agagataaat catgtagtat 300

caccttgatt cacaagctag gttcttatcc tatgatacca tgatttatt 349

<210>   30912
<211>   428
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   30912

ctcaagcttg tggagcttag agaccttgta naaagtcatg tgggaatatg gtttattcta   60

tacttgcgtg atctgaagag gttgtctgag ttctggtcaa gttactgtga gcaaagaaca   120

tactactact gttctgtggt gcatatagtg atggagctta taaaattgat tagtggatat   180

ggggagaatg gtagattgtg gcttatgggg attgcaactt ttggaacata catgaatggt   240

caagcatgta acccctccct tgagactatt tgggatcttc acctctttac agttccagtg   300

ttactatcat ccttgagact agcttaactt ttgataggag ataattatcc ttctatatac   360

ttcttattta tgcttgagtg tacaatattg atttcttagt gatattaata cgctggtgtt   420

                                                                      428
tttgtctc

<210>   30913
<211>   133
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30913

tctacgctta ccgcaggagg agacatacaa cgagggagaa actccacgtt gtacgtcgcg   60

cgcagctcgt caacttggag gaactatacc gtgttacatg cgctgctcat gaagacgatg   120

                                                                      133
tataaaccca ctn

<210>   30914
<211>   319
<212>   DNA
<213>   Glycine max

<400>   30914

gtaatgaacg atatacctgt gagggacagg gccgatacgt taaccactat gaaagtggaa   60

acaattgact tcccatgcga tctatcaagg acacgcgttg taataagacc accgacgagt   120

acctttggta gagaatccca caccaaccta taaaagacga atccccatgg tgaaagtcaa   180

tgaagaatta ttgctcacag tttttgggtg accacacgag atcggtacta gaggctcgct   240

ggctagactg ttctttcttg cgaatgtgga ggagcatttg cggatgtgat taccataacg   300

ctaacttgaa tatccccga

<210>   30915
<211>   413
<212>   DNA
<213>   Glycine max

<400>   30915

tcatgatgaa tcaagatcgg ttcagagatg ttctgatgat atcaaagatg aagaccaagg   60

tgatgacgaa aagctcagcg ctcaatcata gaatgagttc aagatggtca agatagaatc   120

acgatcactt caagactcac gaggaaagtg gaagaactct tcgagattca agaggaaagg   180

tgagtcctag aatcaagaat cacgattcaa ggatcaagct ttcgagaatc aggatcaaga   240

ttcaagactt aagactcatg aatcatgaga aggcttaatc aatatcagta tgaaaaggtt   300

tcttcaaaaa ctaagtagca catggatgtt tctccgaaca tgtttaccac agagtgttta   360

ctctctggtg actgatcacc agactgctgg aatcgattac cagtagcaga atg   413

<210>   30916
<211>   387
<212>   DNA
<213>   Glycine max

<400>   30916

agcttctatc caaatggact taccttgaat taattcctta gatagccctt ttgagccttg   60

tttccttttc cttgtttaga agctcactac aatccttatg tgaaaaacca tgatattacc   120

atatccttaa ggaattttgg agctttggaa ttgtttggg aataacagtg gggggttttt   180

gtttcattga acaacttgta ttgttggcta tgcttcatga tgtatgttgg gccatacttg   240

atgtacattg tatatgggat aaatgatgga catgctgaat gaaatgttgt ttctcaaagg   300

ctatacagta aaaaaaaaaa taaaattcga aaaaaaaat cgaataatag aaagagatca   360

gcaataaagt tgagtgaata agatctt   387

<210>   30917
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30917

tgtatacatg aatttgattn ttatgatgct canaacctat atgttgggaa acataaactt   60

catcttcagt gatccattta gggaaacact cttgacatcc atttggtcta actntaaatc   120

cataacataa gcataagtag taatcttacc acttctagtc tagctatcgg tgcataagct   180

taaccaaaga ctatactgtt ttgttggtta tagctcttga ctactatcct tgccttattc   240

ctagtgatca aaccatgttc attcaattta tttttaaaca ctcatttagt gtaaatgatg   300

ttcatgtttt taaaataagg tattaattcc catatatcat ttcttttaaa ttggttcaac   360

tcctcatgca tggacatcat ccagaactta catttgagtg cctcttctat agacaatgg   419

<210>   30918
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30918

agcttgagtg cttntgctgc aggacaagct gcagccttta agatgtttga aacaattaaa   60

aggaagccag aaattgatgc ttatgacact actggtcggc agcttgatga catccgtgga   120

gatatagaac ttagggaggt ttgctttagt tatcctacta gacctgatga actgatattc   180

aatggattnt ctctttcaat accaagcggc actacaacag ctttggtagg agaaagtggg   240

agtgggaaat ccacagttgt tggtttgata gagagatttt atgatccaca ggcaggtgaa   300

gttctcattg acagtatcaa cctcaaagaa ttcaaactga aatggatcag acagaanata   360

ggcctagtta gccaggaacc agttctcttt a   .   391

<210>   30919
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30919

gtgattggac atggttgaaa ggataattat caacacaatt atacggtttt ttgtagatac   60

tactcaaaca ttggttacct cttttagttn tagctcattg ggggcaaata ttaagccact   120

cattaagatt attttttattg acaacatgcc tgtgtgtaaa atgatcaatt aggatttgac   180

agtgtcaaac aatggttntg gatttgtatt cagctcaatc tatgcaagaa aaaccaaaaa   240

ggggatgagc tctgatacat gcagaacata attaatcttg tcacctgctg gaaactggct   300

aaatccctgt ttatatttgg ctgttgaatt tcatggatat gctgcttgaa gatttgatta   360

gattataatt tatacatatg gtatgacttg tga   393

<210>   30920
<211>   374
<212>   DNA
<213>   Glycine max

<400>   30920

agcttttaag tgcgggttcg ggagacaaag gtcaagcgtt cgcgatatgc gaagatgata   60

ttccgagtac tttggatttg gtacgaccat gctctcctga tttccagctg ggaaattggc   120

gagtggagga acgccccggc atttacgcaa caagcataat gtaaaccttt acggtttaa   180

aaagctctat agttgggcct aggctttaga gttttcattt tgttaaggct ttgtgtcttt   240

tgtttttgaa tttataatac aaggatcttt cttcatctgt tcctggtctc tacccattct   300

cattcatttg catgtttact tcttttctcta aaacggcaga ttcgatgacg agtcccccga   360

atgtactaat acct   374

<210>   30921
<211>   402
<212>   DNA
<213>   Glycine max

<400>   30921

tcaccggatg atgcagatcg aacatttcct aatctatatc atccaattgg tattcagcga   60

ttgaatagaa taaacaatgg ccggtgtcgg tcgttatatg gccccgactg atatctttca   120

gccgacattg cgcaatttct tttacaaacg cttgccgata atgtttttt ttttttttacg   180

gtagaggaag tttttggttt tggtgttgcc tacaaaattt acaacgtaag tcggctaggt   240

ttttccgtgc gagctcaacc gagggttcgc tcccacagac actggcatgt tgttcttctc   300

atttatgagg acaagataac gttggcccat cccggcaaaa acaaataaaa aacattattc   360

accgaaattg atcgaaaaaa atgatagctg acgtcggaat gg   402

<210>   30922
<211>   384

<212> DNA
<213> Glycine max

<400> 30922

agcttattct tgtctgaggc atcttccaag tcaatatctt tttcttcctt gagttcatca 60

tatatccaaa acggaaagta atcattgctt gaaagttgat ctggaagagg atctgagttc 120

ctccttctac ttgccatttc catcaaaagc tttccaaaac tataaacgtc ggccttatat 180

gatactccac caatattttt gtagtataat tctggagcta tgtagcccaa agttccaatt 240

gcttcaggta aaacaagaga cctatctttc acaggatgta gctttgcaag tccaaaatct 300

gaaacctttg ggatgaagct ctcatctaga agaatattgt gtggcttgat atcaaaatgt 360

agaatttgca catcacaacc ttca 384

<210> 30923
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30923

tcccgtatcc gtacttggaa ggatctgatt actgcctttc taangcaata tcagtataac 60

tccgatatgg ctcccgatcg cactcagctg cagaatatgt tcaagaaaga gggtgaaacc 120

tttaaagaat acgcacaacg gtggagagac ctggccgcac aagtggctcc tcccatggtt 180

gagagagaga tgatcaccat gatggtagac actctgccag tgttctacta tgagaagcta 240

gtaggttaca tgccgtccag cttcgcggac ctagtgttcg ccggggaaag aatcgaggta 300

ggattgaaaa gaggaaagtt cgattatg 328

<210> 30924
<211> 379
<212> DNA
<213> Glycine max

<400> 30924

agcttgagct atcagaagac ttgcttattc atttagtgtt gatttctcta ccttcacagt 60

ttagtcagtt taagatctct tataactgtt agaaggagaa atggtctctt aatgagctca 120

tttcataccg tgtgcaagaa aaggaaaggc tgaagcaaga aaggactgaa agtgctcatg 180

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ttgtgagtac ctctaaagac aaaggcaaaa gaaaaaggac tgaggagccc aagaatgaag    240

ttgttaaggg tccaagacaa aagaaacaaa atcagggtga caactttttc tcttacagta    300

agcgtggaca tgtagagaag aaatgtaaca aatatcatgc ttggcgtgca aagaagggta    360

tgtttcttac tctagtcta                                                 379


<210>      30925
<211>      416
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30925

ntacaacacg gccaaagtga tcttntttgt ggggaacgat gctctggtct tccaccatga     60

cttgtccata atcattccgg caacggagga aatcagaact tgtgagaggt tattaatgac    120

tntataccag aaccatctga aacaaattaa gaagatcgaa caaaataaaa gtgaattaat    180

attgcacatc tatactaaat caaatgattt gaacaaaggc ttaactaact aattatgagt    240

ataccttgta gctgcatctt cttgaagatt ttagaatcga tcacagatat gattggtggt    300

tacagcgtga atggaagaag actgaaaatg cctatgatgg agtagctatc caatacttga    360

tcattctatt ggttgtatca acttctcgtt ggtatataca ggaatggtct tggatc       416


<210>      30926
<211>      402
<212>      DNA
<213>      Glycine max

<400>      30926

agcttgaaga ggatgcttta atggaggaaa agaaagaggg agagaagtgg aactttgaag     60

tgtatctcat aagactttca ttcatcaaag ttacaacaag tgttacacat gcttctattt    120

atagactagg tagcttcctt gagaagcttt cttaagaaaa cttccttgag aagcttcgtt    180

gagatgctag agcttatcta cacacaccca tctaataact aagctcacct ccttgagaag    240

ctagagctta gctacacaca cccctctaat aactaagctc acctccttaa gaagagaagc    300

tagagcttag ctacacaccc ctataatagc taagctcacc cccatgacaa aatacatgag    360

aatacaaaaa aaaaatccta ctacaaagac tactcaaaat gc                       402
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<210>   30927
<211>   407
<212>   DNA
<213>   Glycine max

<400>   30927

tacggaccta tgaaactcag cttttatcca ggctcatctt ggtggtgaag ctccttcttt   60

ctggcttatt tcctagtgga tgacgcctcc tctcacctct tctcctttgt cttctgctgc   120

atctccatgg tggaaaataa acattaaagg acctcattga agctcaaaga tccagcctcc   180

atagaatccc cacaagcaag cttccaccac aagtagtata aaacggtaag aaccgagtat   240

cgaactctcg gggaacttgt gttatctggc aagctatttc gataaataag cgtctggtat   300

ggaaatataa ctgtggttat gaacaggtat ttaaactatc taggcaaaaa gaaagaaaat   360

cacgtaagag aaatactatg taaaaacaag tagagaaagc gttggtc   407

<210>   30928
<211>   403
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30928

agctntgcgg atttggtctt cgccggcgaa atgatcgaag tgggtctaaa aagaggcaaa   60

tctgatcatc ttgctttgat aaatgcaaaa aaagactggg gcaaatgaag agggtgagga   120

tgaaggagaa cctcgtgttg tgactgccat tcctatacaa ccaagtttcc caccaaccca   180

acaatgtcat tactcagcca ataacaaacc ttctccttac ccaccgccca gttatccaca   240

aaggccatcc ctaaaattaa ccacaaagcc tacctaccgc acatccaatg acaaacacca   300

cctttagcat aaaccaaaac accaacccag aaatgaattt tgtagcgaga aagcctgtag   360

aattcacccc aattccagtg tcctatgttg acttgctccc ata   403

<210>   30929
<211>   426
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30929

ntanagactc aatttcattt gaatgtggtt gggacatata ttgagttgtt tattaaatca   60

atatttattt ctaatttgga aaaatttagt tattcttgtt caatttgaaa taataaagtt 120

agtctctctc gtgattcaaa tgttgtaagt tatgaattct tttatggata ttgagtgttc 180

ctattggaaa caattttaag tggtacaaaa cttaaaatta aatgagaatt tcatcacttt 240

ataacataag tgctaagtca tatctcttaa tagagaattt ggatgcttgt gttataagaa 300

attttggatc ctttatattg gttggacctt atagtctaca ttgagtatat aaaggcacaa 360

taaacaaaac aaaaaaatgg aattcatgtg ctgaaagaaa taaggatgtc ctggaactaa 420

tacata   426

<210>   30930
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30930

agctttgttg gatttctgcc atttggctct attttgatac ctatccatat aaaataataa   60

atatttgtag caaaaaaata tatacaagtg ctttacaaga tcgttagtgc aacatttgag 120

ttccatgtcc ttatttctaa aagttggatg aagaattttc cttgagaaat cgaccacccc 180

atgtccttat cacctttggt aaataaattt ccttttgcaa agttcttatt tctaaacttt 240

attctacatt ccatgtgatg aagaatttga cagtctgttt cttcggatgg ggaccatttc 300

acaaaactct aagctttcca gaagaatata gaaaaccacc gcataatttg ttttcataat 360

tatacgacct tatgatatta gtcaatgact atntaatat   399

<210>   30931
<211>   390
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30931

tcatgatgat gaatcaagtt gattcaagta gttttaatga tgaanaagat tatgacaaaa   60

agcctaaaga atgatttcaa gattaagttc aagatcaaga ttaatttcaa gattcatcaa 120

gaagattcaa gattcaagaa taatcaagat caagattcaa gactcaaaga ttcaagaatc 180

aagagaagac ttaatcaaga taagtattaa aaagttttc aaaacattga gtagcacaag 240

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aagatttcac aaaattatta ccaaagagtt ttactctctg gtaattgatt acaagaatgt    300

agtaatcgat taccaatgtt nttacaacgt taagatnttc aaaattcaga atgaagactc    360

                                                                      390
acatctgttg atgtgtaatc gattacacct
```

```
<210>      30932
<211>      384
<212>      DNA
<213>      Glycine max

<400>      30932
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gcgactggtc cctttcttcc cttcgcaact tgagttcatt attgctaccc catagagctc    120

cgcgaaattt gttccggcca tactcttcct tgcgagccct cttggtctct tgttcaaggg    180

ctcttgcggt aattgcattc tcttcccgta acccggcaca ctccttccga acgtgtgtag    240

cagccaactt gaacttctcc ttggcgagtt ttgcctttcc taactcgctt ttgagagctt    300

ggacttcttc gtcctcttcc ggtgcttcaa aattctcttc gctgacgact cttaacttgg    360

                                                                     384
cgagccaatc taaacctcgc atgc
```

```
<210>      30933
<211>      340
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30933
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gcntnnanca aatcatataa gataaatgca ttcatgcaat ctgtagatat atcctcccaa     60

acgtcaaatt ctccgcctat atattcaacc tttccatcac tggcacgtgg agtgaatctt    120

tctccatggt gcaatactaa agttatattg tcattcattc tacacaatta gaaaccgcaa    180

acatggtcag atattangaa ataaaanaac ctacctcaaa aagcgcgaag acattgacat    240

tgtcaaaaac cgcgaagaca caatcaataa ccaaaaacat tgtcatctat aaaaacagag    300

                                                                     340
catcataaac gaacatatta accgatcata aacctcccta
```

```
<210>      30934
<211>      396
<212>      DNA
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12897

<213>   Glycine max

<400>   30934

agcttgttaa tccatggaag ctcctaatat ctcccacact ttttggggtg ggtcattctt   60

ggatggcctt gattttctca ggttccactt ggaacccatt tctaccaact acaaaaccta   120

agaaaactat attatctaca caaaaggtac acttctctat atttgcatag agggtgtttt   180

tcctaaggat tgaaagaact tgcctgagat gtcctaagtg atcatctagg ctcctactgt   240

acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat   300

aatgcataag cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc   360

attcatacaa accaaacttg gtcttgaaag cgtttt   396

<210>   30935
<211>   390
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30935

ctggggaata atatttaaca actggagtat tgaacttaac ccacaacaag tttctagcta   60

tatgaactaa tatatgtgtc acttctaatg tttctatggc tggtactttt aggtaaagac   120

tgggaagacc agcttggagc aaatatcaag agtttattgg aatcaggtaa gctaaaagct   180

aatagtcttg gccaattctt tttcttatcc atgcaccttt atgtacttga gaatccctaa   240

acatacatgn taacaataat tttccccata tgtaaaataa cttgacaccc tcgaacttct   300

canagtcatt ccaatttcta ttcgattcgc cattgttact ggtattntct acagattatg   360

ctcctgtcag tgttttgtac catcaattgt   390

<210>   30936
<211>   584
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30936

tcgcgcctca cacngccata taanactttc gttgtaatan ggtcaagtat acatgtactt   60

gttttaccac tacacaccna nncccacgaa gcacatttga agcccttgag nccntngtga   120

aaaccagtca agaacacgag gaacctcgan agacgacctg caagcatagc agattgtata 180

ggaagttata caggctgaca agagagaggg acacgaacgg aactttgaat agcatctcag 240

agacattctt cacaaagtac aacaagcgct acacacgctt ctagttataa acaaggaaac 300

acccctgaca atcctactga agaaaactct ctagagaagc attatttgaa tgccagagct 360

ctacgacaca cacaccatct aaaactaagc tcacctccat gagaagctag agccaatcta 420

cacacacccc gttaaataac taagactcac cttccttaag agagagcaag cgtagagcat 480

taactaccac accctctatc atcagctaca gctcaccctc catgacagaa aaccatgata 540

agtcactaaa aaaatcctac tactaagaac actcacaagc tccg 584

<210>   30937
<211>   415
<212>   DNA
<213>   Glycine max

<400>   30937

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tccttaggct tatgttacta tttttatgtt tcatttcttc ctgaggttgg ctgagccata 120

gatctgaatg aagagacact agtgattcat gtatcctttg tctccttttc cctttctcca 180

agacctacag cgtgtcaaga aggatataaa agagaaaata ttggcttcct ttggctatat 240

gtattcctta gttagttgtt cctaccttat catgtgattc tagatcactg tgaaatgaat 300

agaaggacac ctattgaatc atattttgaa tactagatca attctgctct gtctgtatat 360

attgtggcat acgaaattat ctattgtgga atttccacaa agccttgttg ggatc 415

<210>   30938
<211>   416
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30938

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tntagggatg ttcaaggttg agaaggaaaa tgaaaatggg gtaaattngg agcaaactct 120

cacctcaaaa aagtctatat catcaatcta aacttgctca aactggtttt accaagaana 180

ctctaccgaa tcaaaagttg actcctcaac acccatattt taccctagaa atggctcttg 240

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cctttacttt ggtcatttgt ttttctctct tgcactgccc aagctttctc ataagtccta   300

tatgacattt caaactatga tttacttact ataacctgta tttaccactg aatcccattg   360

tatgcctcca actctcagag cctcactctg tttctactca taacactaca ttctca       416


<210>      30939
<211>      250
<212>      DNA
<213>      Glycine max

<400>      30939

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ggtgcacaac aagttgtcca cattcacaaa tcgcgcataa aacccaccat cccctggtgc   120

ccacctccaa ctgagcttac gtacttccac gtagcccata tccttgtttc tctcaacacc   180

gggtgcccat caatcctccc aagcttccca acattcaggc tattcaacat tcccatcatc   240

acaaacttac                                                          250


<210>      30940
<211>      486
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30940

ggggaatttg aaaccctgtt agagaccgta gctagcncag agccacaaga tcatactcgg    60

gcttctccga tcggcatgga aactgacagt ttcatgacaa tatctaacaa gctcgcccaa   120

agacggggct tacgattgtt ggcacgcacc atatgatatt gaacacacac tccctccttc   180

ccagctatct ctcttataaa ctctctagct tgtacactaa tactccgatc tctagtctga   240

acctaaccat gatcatttgg ttgacaacct ccacaacttt tacgtggtca tagacatact   300

tctctttgag catcaaatag cactgctctt ttctgatagc cttcaccaat cacatataat   360

tatttttatc agcacctctc ttattgcacc atacttgccg gatctacact atgctgttct   420

ccacctctga aacatatact cctcgaatcg cagatagcat gctaccacga ttctaacaga   480

accccg                                                              486


<210>      30941
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<211> 270
<212> DNA
<213> Glycine max

<400> 30941

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taatatcccc cacacttttt ggagtgggcc attcttggat ggcctcgatt atctcaggtt    60

ccacttggaa cccatttcta ccatctacaa aacctaagaa tactatatta tctacacaaa   120

aggtacactc ctctatatct gcatagaagg tgttcttcct aaggattgaa agaacttgcc   180

tgagatgtcc taagtgatca tctaagctcc tactgtacac taaaatatca tcaaaataaa   240

caactacaaa tctacctatg aaatccctta                                    270
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<210> 30942
<211> 381
<212> DNA
<213> Glycine max

<400> 30942

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agcttatcat tcaagaattt catagttttc ttgtaattct cccattcaat ccatagatca    60

tgtttacttg catccatgtt ttcataatca tgatgagttt gtaacactct ctccatagat   120

catatctttc ttcatgtagg tgatcatgaa gttctttgag gtgtttcaac tcaacttgtt   180

agtcttctag ttggttttcc gacttctgaa gatcttccaa aaagtcagac ttttctttac   240

aaattttctt attttcaaga tggagctttg tagtctttag tttacgatct tcaaagacaa   300

catgctccta agtgaaaaat tctaaaaaac tattattcct ttgaagttgc ttatgatctt   360

ctgagaggag tttgacatat t                                             381
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<210> 30943
<211> 367
<212> DNA
<213> Glycine max

<400> 30943

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agatttaacg tggttcagca atgtgcctac atccacgaga aatggcagct catcatcatc   120

acattgatcg tgaaaaatta caagttcaat acaagcagca gctagcttga tctctctcgg   180

tttctctttt gcaaaacctc tctcaatctc atagctgtct tttttttta aactctctct   240
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ctggttttct gcaaaaaaac tctctgaatt acatgatcaa gagtatgtat atactctagc   300

tggtagctct aggcacaaag gctatacttt ggtgccaaga ccaattcagt tatgacaact   360

gaattca   367

<210>   30944
<211>   389
<212>   DNA
<213>   Glycine max

<400>   30944

agcttcttag tttcagatga tgcagatggg tttgtagcta cctcatgcac tcctctaatg   60

actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa   120

tttctggctt cagtaggagt catgtctcca agggctccac cactggcagc atctatcata   180

cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ttctgaaatc   240

tgatggtggg ggcaactggc acatagtttc ttaaatctct cccagtactc atacaggctc   300

tctccactga gttgtctaat acctgagata tccttcctga tggctgtggt cctggaagca   360

gggaaaattt tttctaagaa tactctctt   389

<210>   30945
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30945

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acatttgtat tggttgttat cttgattgat gcatcttagt acatttgata tctgctttgc   120

atcctgcatc atcatgggta gcatcgagaa aagtttctaa gttaagaaaa tttcttcaga   180

ggtaaaactc tctatttaat cgatacagag gtgtcggaat cgattcaaca agctggttga   240

agcttaaaga gttaagtctc atatcggttt aatccgatac aatagtactt taattgattt   300

cactgctgtt agaccatgac tgatctttnt caggagtctc aactttaatc aattaccagt   360

ggattaatcg attacttctc tctcgttcaa gtgttcaaag gtgaactata acactttaat   420

cgattatat   429

<210> 30946
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30946

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attctaagag agcacaagtc ctagactaat cccaatgatc ttttcttgtt ttgtacaaat   120

agccttctca ctattgcctt ttcttaagtt gcttttgacc ttattgtaac aacataactt   180

attttctctc ttttttttaca ttcaacttat ttgatgtgtg tcttgatgct taacttttttt   240

cttttcattc ttttcaactt ttctcccccca aatttagagt aaatatgcct tgaacaatat   300

gctctcctag aatctaaaca aggtattagg agataatcat gtaaagttca gggttcaatt   360

                                                                     400
catgacaaat caataagctn tatacaacgc agcaaaagat

<210> 30947
<211> 90
<212> DNA
<213> Glycine max

<400> 30947

agtacgtgaa ggaactcttg aaaaatttta gatggacgat gcaaatatat gaaactctat   60

                                                                      90
acatccacca ctatattaga ctagatatga

<210> 30948
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30948

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tgaattgata atttggtgtg taattgaagg ctcttgagtt ctgtaactcc tgttgtgaga   120

ggtaatggga gcacaggata tatgtatata aaggcaagtt gtgtgggcct acgggaagta   180

tgattttttg tcgggataga aattggaagg ggatacattt gtaggtttgg gttattcttg   240

tttatgcatc acttgcagaa acacctataa cctgacactt ttatgtgtgt acaagttctt   300

aatggattcc anacatccat gatgatatga aaataagttg aattatttat ccagaagatt   360

gtgaaagatg tttccctgac aatattcttg ttattggttt   400

<210>   30949
<211>   429
<212>   DNA
<213>   Glycine max

<400>   30949

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cctatttta atggcatggg ttaccattat tggaaaaccc gcatgcaaat ttgtatagag   120

gctatagatt tgaatatctg ggaagccaca gaaattaggt cctacattcc cactatggtt   180

gcaggaaata cacccataga aaaacctagg gaagaatgga gtgaggagga aaagaaatta   240

gtttaataca atttaaaatt caaaaatata attacatatg ctttaggaat ggatgaatac   300

tttagggtat caaattataa aaatgcaaaa gatatgtggg ataccctaca ggtaacacat   360

gaagatacaa catatgtaaa aagatctagg ataaatacat tgacacatga atatgaatta   420

tttagaatg   429

<210>   30950
<211>   403
<212>   DNA
<213>   Glycine max

<400>   30950

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ttccttagca cccttatgtt caatatgttg gataaataaa aatagttttt ttttgctata   120

tgcatgataa tttcgatgct agttatcaca caaatgtatt atacataagt acctatcaca   180

taaagagtgg ctatgcaatt tagaatgcat caagaagttt tagattacgt ggctacattc   240

tttggaacca aaggcatcgc atggaaaaat tactacatac ccatatctaa tgggaatttc   300

tattttccta cttggctttt gtgagggaga tgtcaccaca cgttatgcag gatggtggaa   360

gcagtcaata ttgtatcatc atcgtgattt tgcaaaaaat att   403

<210>   30951
<211>   412
<212>   DNA
<213>   Glycine max

<400>   30951

agttggggtc acttataatt taactcattg atttgtcaag aaaactattg gaaaaacgag   60

agtgtgtaat gatttttgtt ttttgtcttg tatgaacatc ctatagtaaa atttacattt   120

ctctctatat gattaacttt ggattttgag tcatacctta tccaaaacta ggcatacatg   180

acttttata ctggtaaagt ttataaaatt ttgttatatg ataagtataa gttatgcaat   240

agttttataa gtactctata gaaggaaaaa aatgtaaact tgagttttaa tataaatttt   300

taatcagata aatatattta tgtataaatt tggtttgggt tggattagat tgaattttaa   360

aatgaaatcc aaaatctgat tctatccaaa acatatgagt ttgttaaatt tt   412

<210>   30952
<211>   399
<212>   DNA
<213>   Glycine max

<400>   30952

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attcagcttg atccattatc tacattatgt tgacaccaga gccatcgcca actaattact   120

aatcagtacc atgataggga ttgttacagc gtagattttt gcacaatagt ccatgatcca   180

gttattttgc aacggaataa ggtgtggtct tggcatgatg agtactaggt ccacttggac   240

attttggata gccatgaagt ttatagcaaa ccatggcagt gttccctagt ttctcatagt   300

attgacaaat aacattcttt gttatgcctg aaaatatgga tctgccatat gttgaagtgg   360

tttgttaaac atccgcaaga ccatgttttg atagtatgg   399

<210>   30953
<211>   153
<212>   DNA
<213>   Glycine max

<400>   30953

tatgttaatg ggtcttaaga ggaaagctca ctaacacaca ctcaaactta cttattaaac   60

atgctcatga aaactatttt ttctcaatta aaataaatcc cttttatttt cctacaccaa   120

taacccaaac tagaattaat taattaatta att   153

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<210>      30954
<211>      396
<212>      DNA
<213>      Glycine max

<400>      30954

agcttttaaa attttgaaat aaaatgtgaa aaactaattt attagaaata agatttgcta     60

aaaaaagata aaaaaaaaac aattagatct taaaaaatga acattaaaaa taggtacaga    120

agaagaagaa gaagcatctt caagaaaaaa aatacatcag catcttcact cactcaccac    180

gaaggttccg ttctctgtga atctatatat ttctagggca cgttacgtgg aacgaagctc    240

ttcactgaat tcaatcgaag aagaagaaga agatggattg cgttgctggt tcgagtttgt    300

ttccgttgca tcgttgcaaa accattcacc tggttggtaa tattcactct cccctcttca    360

                                                                     396
actcaccaca cacacaacac aattatctca ttcgca


<210>      30955
<211>      372
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30955

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cttcctctaa atccccatgc aagaatgcag ttntaacatc taactattcc aagtgaagat    120

tctttgtagc tacaatgctt agaataactc tgatggtagt catctttaca attggagaga    180

aaatctctat gaaatcaatt ccttgttttt gctgaaatcc tttcaccata agtctcgcct    240

tgtatcttct tctaccatca aattcttcct ttagcctata gacccactta ttctgtaaag    300

ctttctttcc ttctagcaat ttaattaaag accacatctt attcttctga agggatgtca    360

                                                                     372
tctcatcttt ca


<210>      30956
<211>      303
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30956

agcttttcgt caactttctt ccattgatct gggttgatct taacaccgac taacctacct     60
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12906

gaaattatca gccacatatg ccacggtggt gccctagtgt cttgagaatc atgacttatc   120

gcatgatcca gtatgccctt atagtagatc gagctcttag cggatggact aattgtcact   180

aagatacttt aagtctatac tcacacctta cccaagagat gaaaaccttt agttaccatt   240

caaaaggagg ccatctgcta caatgtntat atatacatca tgtacctgat gttctacagt   300

tga   303

<210>   30957
<211>   419
<212>   DNA
<213>   Glycine max

<223>   .unsure at all n locations
<400>   30957

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atggcagtgc ctcctgtata gcttgcctac ctatccgccc cgctgagctc tgtagagaca   120

ctgggtggtg agcagctttc tactatgcgg cactactatc agttgcgaac ctatcgcaaa   180

cgtggagagg aacatgactg aaatcgtgcc gtaatcacgt ggtcataaac catcactcga   240

aaagaggagc tatgcgcagg atcctctgtc tcatccgaaa ttgtccgacg gatgcgctgg   300

gataaggaca ttgtcgactg ctngtcacac gagctatgta gtagcgcaca taacaggtga   360

gccgtgcatg gattggtcca caagatgctt tcgagaattt gactgcctga acgcagacg   419

<210>   30958
<211>   310
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30958

aaagttcccg atcaaagatc ggaagaaagc aaaagaagaa aatttccgac caaagattgg   60

aagaaagcca aaccgaaaag aaaagaaaat tcccgatcaa agatcggaag aaaatgaaag   120

aaatatgcag aaaggtcttt ggaccaggca atatctgaac aatacagaat tgtcaccccc   180

aaataaggaa ataaaggaaa ccacgaccgg aagtggtcct ctccctttga tcgccaacca   240

aaatcctgtg cgctagcgac tttctcaccc cgcactaaac anaaacagaa aaagaaaaga   300

cccaaacact   310

<210> 30959
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30959

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catgtgtaac acttgttgaa actttgatga aggagagtct tgtgagacat aactcaaagt   120

tcaacttctc tccctttttc ttccttcaat ttcgtgctcc cccctctctc tttctctccc   180

tctttctttt cctccattga agcctcctct ccaagcttct tatccaaggc tcatcttggt   240

ggtgaatctc cttcttccat ggcttattcc ctagtggatg gcgcctcctc tcacctcttc   300

tcctttgtct tccgcttcat ctctatggtg gaaaaccacc attaaaggac ctcattgaag   360

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<210> 30960
<211> 393
<212> DNA
<213> Glycine max

<400> 30960

agcttatgca tggattatgt aattatgaaa ttgagatgcc cgaagaaaca ccatttccta   60

gctaaccatg cattaggtac catgttcaat tattttgttt ttgagtgaaa cgggtttatg   120

atcccaacat ggttggctcg tggtgcctaa cacatgaaac taagaatgta gtgtgaagtt   180

tcacgcttcc cccttttttg tttttgttat gtagaggaaa acgcaaggat gagcacacat   240

gaaaacaaat ggtatgcaat tttgcagatc aaaaagtttg ttgaacgcat atgcatgatg   300

atgccatgac tcatgcaaaa tgtgaggctg gaatatgata acggacaaat gcaggatatg   360

tccattatga tgttatgaag agatgcttat gcg   393

<210> 30961
<211> 403
<212> DNA
<213> Glycine max

<400> 30961

tatgctacaa acatttataa tagaccctct cagtagcatt accaacaaca gcagaataat   60

tatgatcttt caagcaacag atataatcta ggttggaaga atcatccaaa tctgagatgg   120

gcaagtcctc cacaataaca acagcctatc cctcctttcc agaatgttgt tggtccaagc   180

aagccatatg ttcctcctcc aatgcagcag cagacaacaa gcagctgagg ccccttctca   240

accttccttg gaggagttag tgaggcaaat gaccatctag aatatgcaat ttcagcaaga   300

gacaagagcc tccattcaga gtctaacaaa tcagatgggg atgatggcta ctcagttgaa   360

ccaagcttag tcccaaaatt ctgacaaatt tccttcacaa act   403

<210>   30962
<211>   383
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30962

agcttacatc acttggaaag ataaagatat agattcatca ggagattcag aaaatgaagt   60

cgtgaatctg agtctcatgg ccaaaaacta tgatagcgaa gaagaggtaa catcttctaa   120

caataaccta tctatttcct ttgatgaact tcaagatgaa tttaatgact tgcataaaga   180

atcagtcaaa cttgccaaac tagtttcagt ttctaagaaa ataatttcaa atttagaaaa   240

agaagttatg aaattaaata tagaattaga aaatcttaat actgaagtca aacattaaa   300

acaaattgat agaaatcaat cttctaccat accagatatt aataaagtat ctcactcatg   360

tanatgttgt gataaattta aag   383

<210>   30963
<211>   413
<212>   DNA
<213>   Glycine max

<400>   30963

tcctcggggc cattcctgcg aaggcaaaca tttggaaagt tagttttacc agtgggacgt   60

tactctttaa agcaaaaatg gaatataacc tcctcccata aatacaaaca tcaatgtaaa   120

tttagagtaa gcttatgcgc atacttcctt acaaatgttc tcttgcacaa gacattctat   180

taaccgaaaa aatgcaccca tatacaatca aggcagctcc gttacctaga ttatttacac   240

gtacttccaa ggtgtatttg ttacttacat cccacacatc tccttggcta aattcacata   300

catgcatacc caaagcattt tggggtacca aaaattgcac atgtacacct cttggtattt 360

ctaataccta tacatacaca aactttatga tgaatcttga ctatctacac aat 413

<210>   30964
<211>   319
<212>   DNA
<213>   Glycine max

<400>   30964

agcttctata taagctgaac catttatca ataaacacaa gttgagttct attcagaaaa 60

ttagagttta tctcttttat cttagtgaga gtgattctcc tagattcttg agtgattcaa 120

gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180

agtgattctt tccttccaat catctccacc cttggtcttt caaaccacaa ttccagaaaa 240

tccacctctg cccaaaatta tctcgtgaaa ggtctcgttc tgaaattcat tttacgctca 300

cgaatcactt actttgagt 319

<210>   30965
<211>   339
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30965

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atgtccccga atcggacatc tgtgtgaaaa gttatgacca ttcgattttc tcgagagctt 120

ccgttgttca atttcgagcg tctcgatata ttatgacccc gaatcggaca tctgtgtgaa 180

aacgtatgac cattcgattc tctcgagagc ttccgttgat caatttcgag cgtctagatg 240

agttatgttc ccgaatcgga cattcgagtg aaaacttatg accattcgaa tttctcgaga 300

gcttnncgtg gtcaattttc gagcgtctcg atatataat 339

<210>   30966
<211>   400
<212>   DNA
<213>   Glycine max

<400>   30966

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agcttctact tatgtggcag ggcgggcttc cttcaccttc ttgtctccaa cgcgaacttt    60

gaccattgtt cttccttccc gcaatgcttc tcttcatgtc tgcctgagtg ggcttatagc   120

ctaaaccata cttcccacga tttccttgag tatttatcag gctagttatg ccgccgttgt   180

tttttcctaa acccatcccg ggttcaaaac cgttccccaa cataactcgg gccatcatta   240

ccgctgcatc ggacagacaa agttgcccaa agagggagtc cacggaggaa atgctgacca   300

cctcaaaaga ctggaaagca gtttctaacg attcttctgc ggcttccaca taaggcatgg   360

aggatgggca gcttaccaag atatcttcct cgcctgacac                         400
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<210>      30967
<211>      296
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30967
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cgatcatcgt ctccctttcc atcattgggg gtaccacctg tgccgtcaga tccctccacc   120

ttttgggcgt gttctttgaa agatccgtac cccttattgt aaatgttatg tagttgcatc   180

ctatacggaa ccatatccga attgtactga tactgactaa caaaggcaac cattatgtcc   240

atacaataat ggactcttga aaagtgcaag ttagtgtacc atgtaacagc tacccc       296
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<210>      30968
<211>      375
<212>      DNA
<213>      Glycine max

<400>      30968
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tttctgaccg attgtctctc aatatgcacg ctccattcag atacccatgt catctcaggg    60

gggtagataa ggaattggtg cccaatcgtg aattctgtaa agccaactac cccatcaaac   120

accttatgta tacctgtaag catttgtatc tctattgcct cttcaacaac tgtatgatct   180

gtgagaatta tatatgacac caattctcta cccggttaac tcagtaatat ctttctactc   240

cctatatgta tctaccctta aatgacctaa attccatcgg ctatttatta aaaccgatcc   300

tttctggaaa gttattctcc ctctttaaca caatcggcat tccctccccg catttaatac   360

cataatcctc gaccg                                                   375
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<210> 30969
<211> 151
<212> DNA
<213> Glycine max

<400> 30969

agcttttatc tgataatata taagattcag ctagcctatg aataggcgta gaaataatcc   60

taggcgagtt atatttttgat agatctgatt ccgagagtca tatgtgtatg atgtgactta   120

gagtcgtcta cctatcaata gcgtctctaa g   151

<210> 30970
<211> 114
<212> DNA
<213> Glycine max

<400> 30970

tagcatgtac tatgatcttt gttggcgttc atgaagacca ttgtccgaaa gtagttagca   60

ttgaaaaacc tcgaaaccat agcattgggg tgagaaataa acctccaccc ttgt   114

<210> 30971
<211> 320
<212> DNA
<213> Glycine max

<400> 30971

gctaagtgct gagttgagcg atagtgtttt atccttgttt gttcgggctc gttgaagcct   60

tatctatcat tcccgacatg ttgacaacct gtcgagagct aatagagtat gctggacata   120

aatatttgct tacaatgtcc aatgcaatcg cgccttgtcc ataatgtggc gtatctataa   180

tctaatatct gccaatacat aacatatttg aatacattgg aatattagtc caattataga   240

ctatctgttt ggaggggagc ccggctacta acggtcacac tttcactttc ctataacaga   300

ccagacccgc aagattgaca   320

<210> 30972
<211> 565
<212> DNA
<213> Glycine max

<223> unsure at all n locations

12912

ctgccacaca ccntggtaca tcnntataac atatatgatc atataataat tagcacaccn   60

cacaccctnn tnncnncccc caccagnaca gcnnccttga aaccctgttg anaccntagc   120

tannacgnga cactatngaa tactgaagct taacaagntc atctatggat tgaaacaatc   180

ctcccgccta ttggtattac aatatccaga aggcatttcc tcattcagcg ttgaagagaa   240

tgtcccggat cactggttaa accacaaggg cagcgggaga aagaatcgtc tccttgtatt   300

atacatacca tgatatctta ctcgcgacta atgataaggg aatgctatat gaggcgaaac   360

aatctctctc aaagaactgt gataagaaat atatgggaga ggcaatttac gcataggcaa   420

aatactcata acaaagaact cgaagcattg tatggttgtc cacagaacct atatcaacaa   480

ggttacagag aatacaaaga aagattgtca ccaagtgaac ctccaatgga aggtgacaac   540

ttcgttgaag catgcccata atgaa   565

<210>   30973
<211>   294
<212>   DNA
<213>   Glycine max

<400>   30973

acttatcaca cggaagtccg attggagtgc ataatatatc gagaccctca atattgcaaa   60

aggtagtcct aatgaaagat aaatggggat aacttttttaa acggaagtct caattcaagt   120

gcatacaata ttcggaagct cgaaaatgaa caatggatgc tttcgagaaa attaaatggt   180

cataacttat cacacggaag tccgatttag gcgcataata taccgagacg ctcgatattg   240

caactcggaa gcactcaaga aattcatgtg gtgataactt atcacacgga agtc   294

<210>   30974
<211>   563
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30974

acccaccacc cactgcactc acctaataca gctgacatgt tgcacaatcg tacataataa   60

cacaaaaacn naaaanaaaa aacgagnnac attgaagcca ttggaagcca tgtagaatcc   120

atggccaaca cnagctcnac acccggagaa ccacctgagg cgacctgcag gcatgctagc   180

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atttgtgagc tttttaagtc tcagagaaac gagacaacgt gataccttac gacaggaact   240

ccgaaatact aatgagaact aggagtatca cctatcccac aacgacgagg tggaaggcat   300

ggccagcgaa gtaccaccat acacagtagg agaacagaaa ctagtcatgt actcaacagc   360

tataatctat gaacaccata ttatcccgta tacacggccc agtacgcggg aacggacaca   420

caagcacaag caaacatcac gtgtgtcagc taacaacaac taaaacagtg ttagactaga   480

taagcacatg agagagacat gaatggaaaa gaagaccaac gccataaacc ctgagtgtaa   540

gaaattagac aaaatgacga acc                                           563
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<210>      30975
<211>      521
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      30975
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nggatgccct ttgtgatact tatttgaaac ccatggtcaa gcnccncagn ggaactctat    60

aatagttgac acttcacagc atgcaaagct ttcttgtcta tattgtataa antatttatt   120

cttttgacgc atcatctgac ctcaatggca tatatcttta ttactgaata tcccacgtcc   180

tactcgttaa tcaagctatt cgctcaacac ttaatgtcac tatcttctga tatctgaatt   240

tctcactcac tgtaatttga tgatcacgca tctagtgcat cgaatttctc atcaacaata   300

cgtgtcctgg ctgccactat tatgtagata agatgctcat gtcaggtctc tcgagttaat   360

gtactatatg ctcccatctc ccccgagttc caaagatcaa ccatctcacc cccgcttact   420

ttgttatctt tggacttgac attctcaact cactgcacga agtacacacg atcatcctat   480

ttctagtttt tgcttaccta tgccctactt attgtaccac g                       521
```

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<210>      30976
<211>      287
<212>      DNA
<213>      Glycine max

<400>      30976
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taatacatgc aattcatatg atgaaaacat ttatatcact aaaatctata gtaactaatt    60

aatttaattc tatacattat tacatagacg gaacgtttat accatgcatc aactaaataa   120
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accttttttag gaaaaaataa aataaataaa agtgaagaaa aaaaaagaag agagcaacaa   180

aagacatccc gtgttcgagt tcttcattga taaaaactaa caacgtttac aagttattct   240

aatctcaaaa aaaaatgaat cagcatagag cttcacatca ttattca   287

<210>   30977
<211>   204
<212>   DNA
<213>   Glycine max

<400>   30977

ttttggggac ggcaacaaac ccggaatggg tttaaggcca aacaactacg gacccactta   60

cctggtcaat gcctaatgaa atcgagggaa gtatgggtta agctataatc ccactcccgc   120

cctatatgaa aagaagcatc tttggaatgt agaacggatg ccaaagctcc cagttgtgac   180

aagaatgtga agggatccca ccct   204

<210>   30978
<211>   406
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30978

agcttcatgt ttataggata aattattntc ttttgttatt cactgaccta aagccataat   60

ttaaaaatga atattcacca aactgttaac aagcattgct caaacttaat gttatatttc   120

tgattctgat ttctcactag tgaatttgag gatcagcagt agtgatgaat tccacagaag   180

aagagtgtcg tggctgcgag attatggaga aagatgctca tgtcaggttt ctcgagttaa   240

tgtactatat gctcccatct ccgtacgagt cccaagagat caaccatctc accctcgctt   300

actttgtcat ctctggactt gacattctca actcactcca caaagtacac acgatcatcc   360

tattcctagt ttttgctnta cctatgccat tactattgtt accatg   406

<210>   30979
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30979

ntagcanaaa atttcgaaca actataggaa taacaatttg ttaaatttta ttaaagtcat   60

ttattttatt tatataacta gtattttaat acatgcaatt tatatgatga ataattttat   120

ataattaaaa tttataataa ctaattaatt taattctata cattattatt taatgtaatt   180

tttataccat ccatcaacaa aataaacctt tttaggaaaa aataaaataa ataaaagtga   240

agaaaaaaaa agaagagaga aaaaaaaaac atcacgtgtt tgagttcttc attgataaaa   300

actaacaatt ttaacaagtt attctatctc aaanaaaaaa tgaatagcaa tagagtttca   360

catcattatt catcacattt gcaagttgat ttaattatga aacaatgata cacaaatact   420

cag   423

<210>   30980
<211>   400
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30980

agcttgttac ctattatgac tntgacgaag agcaacgcgt agccaatggc cattgaattc   60

ttttccttat cttccaatgc tgcccttacc gccgttagcc cttggccaaa agaatttgag   120

tatcatattt atatgtttga taattattat tattgttatt attttttctc ttgatgcacg   180

taaaagagaa taacctaaac ttttatatat gcgcattcaa attaaaacta acatacataa   240

atggtcaatt aatggatctt acataatgac tcgtttcct ttgcttcttt caagagagat   300

catcatcaat tgatatggaa tcatgtgtgc ctcctgcatt tagatctcat cccacagaag   360

aggagcttgt gggntattac ctcaagagga agataaactc   400

<210>   30981
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30981

gcactcagct atgtaggcaa tcgtgatctt tgtgggcctc cacttaccaa aatatgtttc   60

cagggtggta aacctaacaa cacagagcca atagatgaag atggagatga gtttgcattt   120

ttgtcgtggc tttacattgg aatagaatct ggatttgcca cgggctttt gggatttgt   180

tgtgtcattt tcttaatcag aaaatggagg catgcatact tcaagtttct ttatgacttg 240

aaagaccaac tttatgtcat ggtggccatc aaaatgaatt cttttcgttg aggtcggaca 300

caaccatact ggtaagtaaa acctttgatt agttgaaatt tcngttttta ttatacaaga 360

taaacataga ccatatttta acat

384

<210>   30982
<211>   268
<212>   DNA
<213>   Glycine max

<400>   30982

agcttattca gattctgttt tacatattcg agaattacta ccgggcaacg tgaaagtctt 60

aattcagtgg aaaaatctcc ctcccagtga acatagttgg gaatctgcgg ctaaatgaca 120

ataggttatt ccgacttatc accttgagga ctatgtgagc cttttaggcg gaggtattga 180

ttagaataag cataatccac acatcaccaa tgtgtacacc cgcataaatc ccatggtgtg 240

caaaccaccc aacatttaca acccaccc

268

<210>   30983
<211>   426
<212>   DNA
<213>   Glycine max

<400>   30983

taggagtgaa ccattaaggc attgaccaac agtatgccat cttcttcaca gtgatattga 60

gggggaaaga gagtgtgcgt taattaaatg ttttgaagtt ataaacccag tttacatgtc 120

tctcattata tcggttgagc tatcttaaaa gaattgaaga tgttttaaac tacacaacga 180

gacatctttt ttttcatttc tataaattat accatcgcc attgtaatat caagtttatc 240

aagtgatctt actaagattt tgttaaaaat aatcccacat cgagtaattg atgaacatga 300

taagtgctta tatagctagg tagaccaccc ccttatgaac cggttttaa ggtgaccttt 360

cggatgcctt tgctacacta taaaatctga tatggtatca gagccatatt caacagccct 420

426

gactcg

<210>   30984
<211>   400
<212>   DNA

12917

<213>   Glycine max

<223>   unsure at all n locations
<400>   30984

agcttgtaac tcataattnt tagttgaaat tgtcaatttt acacatgcaa tcttaattct   60

caacacactn tttggatgag tcttccaagg attgtgttgc cttctctaac tnttcttcct 120

tttccagcga taaggtaaag ctacaaaatt gagtcttcca atgtttgata taagttttgc 180

aagaccatct ttaattcgaa taagtggctt aaaggtgtaa atgcacagtc cttccaagcg 240

agcaactcan aggtgtaaca ccatcttaga atttcgtatg agcatcttca atgaaaatgg 300

aagacttgaa cgaaaatggt tggcttgctc ctcattgttc tgggaataga taaggatcta 360

                                                                    400
tataatgagc acaatgtatg aaggatggaa naacttcaat

<210>   30985
<211>   433
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30985

tgtgcatcca ataccctgat gaggatgtcc catatgttct taaaactgga ctaattcatt   60

tgcttccaaa gtttcatggc cttgtaggtg aagacccgca caaacatttg aaggaatttc 120

atattgtctg ctccaccatg aaacccccag atgtccaaga ggaccacata tttctgaagg 180

cttttcctca ttcattagag ggagtggcaa aggactggct gtattacctt gctccaaggt 240

ccatcacgag ctgggatgac cttaagagag tattcttaga aaaaattttc cctgcttcca 300

ggaccacagc catcaggaag gatatctcag gtattagaca actcagtgga gagagcctgt 360

atgagtactg ngagagattt aagaaactat gtgccagttg ccctcaccat cagaattcag 420

                                                                    433
aacagcttct tct

<210>   30986
<211>   397
<212>   DNA
<213>   Glycine max

<400>   30986

agcttgtatt atagttaaga gtcatcgagt cactatacca ttaactatga aaaaaagtaa   60

tgatccttt gctttaatcc attatgacgt atggcgtcca tccccaaaat cttctatata   120

tgggtataga tggatagcga tatttgttga tgattgcact ccaacgacac gtattgactt   180

gatgaaacaa ggatatgatg tggtacacat acttgaacaa tctcatacta tgattcaaac   240

tcaatattca aagaagacta cgatccttcg ctctgatacc atgtataact gatatgatat   300

ttgcatatat ctcaatcgca tcttacaaac ggaaatatgt tatatgtata tacacagaca   360

accctatgtc taattataac tagatcacga taattat   397

<210>   30987
<211>   431
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30987

tttctttctt ttgaggatga gaccagtctt tatccccaaa tacatgggtt ttatttctaa   60

tatcaaccca actataacct ggctacttgt tcatgttgct aatttttatc atcttcctca   120

aacttcgtac atcttcccat tgctactctt ttgcgtaaat atttgaaagc caaacatgag   180

ccacactatt tttaggttca gccttcatca atttgtctgc tgcaagattg gccctttcca   240

tgtccccatg aattttacaa gccccaagaa aagaacacca gccaaagaca tgttatttat   300

aaagtcttct gcttctttaa gctttccagc tctacctagc aaatcaatag cacaactgta   360

atgctcttct ntagggacta ccccataaat cttttcatgg aattaaagta gttatacccg   420

tcctcaacca t   431

<210>   30988
<211>   568
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30988

cacttcccca catactccat taacactatt ntacaacata tagtgtntac ttacacgaca   60

cattatattt atcanncccc nagaggggtt tgaagcattg angccatgga naacnaggnn   120

agacnaggtg atcctctaga gatcacctga gagcatgctc acgtgttttc gctattgtga   180

ttcaaaaaga cccgcgcatc tccgcacgcg cacgcaactt cataataagc ttacagacgg   240

agcacttaac agactaagca ctaggtcaac agaaaaacta ctacaaagaa atagagtcga 300

acatgattag gatcaggatc atgcaccaat tcgacccaag aatcaaagaa taggcctaaa 360

atgacaataa tcgccgaaca aagtgaacta caattcactt aacgcggaaa taaaaggctg 420

caacatactt gcaacaattt gcgacgatta ctatgagtga gaaagactct aacaggatag 480

ggagtatgtg atgcacactt atatatattg cgcatcttca gaagatgaat catgggtggg 540

                                                                   568
agaacttaaa aggaaggtca gcaccccg

<210>   30989
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30989

ntgagtccaa cattcagttt tatacctgtc gtcatacttt attttncgcc ggcgaccttt   60

gcttgatgac atgcgacctt tctttggtcc ttgtgaggtg cttggcaccc atcattaggc 120

aatttgtgaa attccaggac atgccagaaa accaaaaaat attgatgcac aatccgtaag 180

tttccgtgac acaccggaaa tcaaatggaa gcatcgttgc ataattaagt gagattccgt 240

aacattccgt aagtcaaaaa ggggatgatt atgtaattcg caaggttccg taacattacg 300

gaaagaaaac aagtatcgtt acgagaatcg taagtttccg taactttacg aacaaagact 360

                                                                   384
caccaaaaaa ggaagggggt gaac

<210>   30990
<211>   232
<212>   DNA
<213>   Glycine max

<400>   30990

agctgtttgt cgtctcattc aattgctgat tttccagcat gctctgaata gacttgcgca   60

tcggtttaca catcgactac gcatcgatac catacctcta tacactggcg gatgacgcga 120

ggtaattacc cttctacgct cattgatttc agaaaagact tcacgatcta gacgaacctt 180

                                                                   232
ggcattgccg acttttcctc tttgtcaacc actgccatct tactccaccg tt

<210>   30991
<211>   392

<212> DNA
<213> Glycine max

<400> 30991

taagcttgta taaattcttg tgatgaagca cattttttgaa tccatctcta ttatcaaata 60

aataaaggct gaagcacagt gcttcatgat atttcaaaat catggagaat caaactttcc 120

atgatgacca tttgaacaac tatatttctt tggataaaac tttttgcact aacagattag 180

tcacttaaaa gtatgatgga ccaattggca gcagatccag tcaaatgtgg aaatacttat 240

ccaatacctg ccataacttt aaaattatat acagatcatc actgttgttc tcccaaaccc 300

gtgcatttcc aattgcaaaa caaccacatg gcgatctaaa aggatttgag tccagaggag 360

ctgcatcatt atacacaatc acatacatca tg 392

<210> 30992
<211> 563
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30992

ccctccgtca tctcgcacat cttnatacat anagaaagac tagangtata nancgctcta 60

tagatgaagt acacttaaga aancnnnaaa ccagaggcaa cgttgaaccc tttgangccc 120

atgtgcancc ccaggcgata ccagctcgac acccggagat cctctacacg catccgcacg 180

cttgcaanct agtatgaaca tggtataggc catctagaac gtgccaacgc atgccataca 240

cacgctgttt cgcttacgaa tcaatagcca gaagaggata aagcaccgaa atgaacaatc 300

tgaaacataa agtcactgaa ccaaaataga tacctacaca aatgggacaa cgcaaagcta 360

tcactgccag actgagaagc aatgtttgat aggaggctac atacatacgt tttgctctta 420

ccactcaaac tgaactaaat caccaatctt ttctatgact cacgcccatc tacataatca 480

aaaacttaaa cgcatcacac ctgcctccgc atgactcaac gttcatagct aaacaaagaa 540

ctatcatcgt ccaattaata acc 563

<210> 30993
<211> 83
<212> DNA
<213> Glycine max

<400>   30993

gtggaactgt tcctcaaggg attaaaggaa gagattatca ctaacgtgag gcttcatgaa   60

ccatagaact agatggaagc tat   83

<210>   30994
<211>   368
<212>   DNA
<213>   Glycine max

<400>   30994

agctttcatc tagcctatat tatacaaaag tgttacaaca gaacctaacg gtatctaatt   60

atatgggcca tcaaatctat catgtgttga cagtaattga ttagcccatg aatttcctcg   120

ggggctgtac acacttcaac gatggctttt gctttggcta atagtcgcgg gaggtcttga   180

cttccattca aggtcaaggc gaacctatcc atccacatag tcgcttcttg atgcaatgca   240

tcaatcacct ccctcttgct tcttttcgg tgtacacttg tgcaaaatcc tctattagct   300

tttgttcatg ggtcatagac tgggtcaact cttccttgta ctgccctatg atagctagca   360

tgctttgc   368

<210>   30995
<211>   387
<212>   DNA
<213>   Glycine max

<400>   30995

tcaaagatga ggtcaaaggc tacattctgt gtcaaatacc tgtgtcttaa cattaagggc   60

tgatgggtat ttcgggttct ataaaaaaga cacatatttt tgagattccg atcacgccaa   120

tgtgaccggg gttcggtgaa tgccgtaaaa acaatctcaa tgttataaaa agataactct   180

taaaatgtct cattctctat ggttattcaa aggaagtgta tgatcacccg attacagtac   240

cctgcacata gaatacacta tgaggagctc aaactagtta cgagaatgct tagaactcaa   300

ggctacctca gggaaacttt gaaatggagg attctgagga ttatctccat ggaatcttct   360

aggaggattc tgaggatttc actctga   387

<210>   30996
<211>   383
<212>   DNA

<400>   30996

agcttgattg caagttgctt tgtctatatg catcttaatt cttctagatc ccatcctacc   60

attacaccaa gtgagactag atccccttga acagaggtgg gtgagatcat tctagacaga   120

ccaattggaa aaatcttcac aagattgctt gaggggaagg tagccaccaa ttctttcatg   180

tgcccctgaa accgcattga aatcaccaat gtaaacccaa ggtccaagga agttgatcag   240

catagaagag agctcatgcc ataagattgc tcttttaatg ttggaggtgg aaccataaat   300

agtagctaca taacatgaaa tgttgttaat agaaactaca aaagacatgc tttgatcaga   360

gatagctaac atagacaagg aag   383

<400>   30997

tgcacgtctt cactctcctc aagcatttta tcctcttcct cgctcagact ctttagcttt   60

gggagccaag ttatcccttg cgtactcgac ttcaaccatt tgagatagct gcctatgaca   120

ccttggctac ttccactaag ttctttatct tttctttctg ctttattcca ttccttatag   180

atcctctgga gtgtctttac attagcttca ttgaaacctc gcgtgatgaa aggcgcgatg   240

gtctcctccg atggtgcacc tctcataggg taacctaact ggcttatggc caacatggga   300

ttataattaa t   311

<400>   30998

agcttgtaac tctgattcaa tgactgttaa aaacggttaa gatatactgc aaaattggcg   60

aactttatcg ctatctcaag atttcaaatc atacaatgac tgtactttga aaaaaaatgc   120

ctaacaacta tctttagctt aaaattgcgt cagtagcata agaataatgc ttgtattcct   180

ttgttcacaa tgtaaaagat aactgtatac cacaacaaat atttcttagg cgaaaagaaa   240

gtgagcaatt cagatatttg aaaatgattt atgttttgat ttcctttcaa taaattacag   300

atgtataaac atatgctatc gcatagtccg atgattcttt cttacgttaa gaagagatta   360

atattatgtt ctatttg   377

<210>   30999
<211>   465
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   30999

atganacctt gtgattgaca ccnttgcatt acgngacact tagaatactc agcttcagaa   60

taattgggaa accgtaattt gtttaattca ttcttattcc agacttgtat cattcgaaat   120

atattatcta cctatatttt attatattat gccatatttt aatgatggca gaccattggt   180

atcacagaaa atgaattgca cttttgcatt acgggtgggc ncattctagt gatgagattt   240

acttacttct acgtttgtac cactacatgc gggccttaac agtaaagatt attgtaattt   300

caaacactta atgcatcttc tatggcatat ttggcaataa ctatctctaa accgaaagag   360

aatatatgtt ggtgggcgct ttcaacaccg gagtaaattt gtggtattaa taagtacatc   420

atattaaaga ggatctcata cagcatcggt ttaaaaaaca gggcg   465

<210>   31000
<211>   304
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31000

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cccctttcaa agatgaaaga aacgaatggt caagtatcat caacccctcc ccacccacct   120

gacctcaaaa taacggctaa tgttaaacac tcctcttttg catttcatat tatacaataa   180

attctatatt tacaggagtg tattcatatt agagatgaaa aacgtacgat tacacaccat   240

gttaagagat gaaaactgaa cagactatga tactcactcg cgcatacatt gcttattact   300

tata   304

<210>   31001

12924

<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31001

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agctgcactt gaaaatacca tcacattttc taaactggga tatttctgga tatacttcac   120

gtggaatcct caagttgact atcaagtaat tctgtcatca gtgaggtgat ctactttggc   180

attttctcat catttgaaag actcgcgatg caagctatat ttgaaagtct caaggatgta   240

tcagcctcta attgcatctc attgtcctca gtatgcaatc tatcgccttt tcacctaaaa   300

tgaattaaaa actatctcgg acatgaaaca actcctacag caaagttgct atcaatattg   360

tctagctcta tctatgcatt gagggactga ccacattgaa agtattgcgc ttt   413

<210> 31002
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31002

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aatctttttc aacatctctt tcaataatca agaatctatc tttcaatctt ctctctcaac   120

atcattcaac tttttctaca gaagtttgtg attcttcttc tcttcatctt tctaaaagtt   180

tttgttcaaa acttttttctt tcaagaaaag ttctttgatc aaaaacttgt gttattcatc   240

ttttttttatt cttttctcct tttgccaaaa gaacgaagga ctaaccgcct gaattctttt   300

gtgtctctct tctcccttttc caagagaatt caaaggaccc cgcctgagaa ttcttttgat   360

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<210> 31003
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31003

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ctacgagagc attcacccat tgcatgtcta cttaaagaac cactttttct ttgacctccc   120

aacctttatt gacatgccac aaataacaga acatagaggt tcttttttttt tggtatgcat   180

ttgctttcag ctcatatttg ctttttttttt tacgatgata ggtattacaa aagaatgtaa   240

atctgattct ctatgtatct gttactcata ttcctggaca taatttaacc aaaacactcc   300

cccaaatttg gaacaaattt gacttgatcc ataataatgc tctcctatag cctaagatac   360

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<210>   31004
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31004

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agatatcgag acgctcaaaa tttagatccg aagctctgag aaaattgaat tgacaataac   120

tntatacacg gatgtccggt tgagtcctgt aatatatcga cgctgcaa attgaaaacg   180

gaagctcgta ggacattcaa acgacaataa ctttntactc ggatgttcga ttgaatcggg   240

taatatatcg agacgatcaa aattgagact agaagctctg agcaaattga gatgacaata   300

actttataca ctgatgtgcg gctgagtccc gtgatatatc gagacgctca aaatttagat   360

ccgaagctct gagagaattg aattgacaat aac   393

<210>   31005
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<212>   DNA
<213>   Glycine max

<400>   31005

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tctcagagct ttggagcaaa attgtgagcg tctcgatata tgactggact cattcacaca   120

tccgatgaaa agattattgg cgtgagaata tgagacgagc ttccgttgtc aatatggacc   180

atctctcgct atattgcgat aggcta   206

<210>   31006

<211>   391
<212>   DNA
<213>   Glycine max

<400>   31006

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gtggatggca cctcctctca cctcttcttc tttgtcttcc gctgcatctc catggtggaa   120

aaccaccatt aaaggacctc attgaagctc aaagatccag cctccataga agccccacaa   180

gcaagtttcc atcaggttat ataagaggtc acatggtgtt gtcctagaga attttctcaa   240

aaaccaaaat gtcgacatag ttagtttcga gagatctgca aacaccatgt attcaaatat   300

catggggtgt tggcatgtcg cttagaattt gatgtacatt aaaaatgtgg ctctcttctt   360

ttctcaaaat ggtgtttcat agttataaat c   391

<210>   31007
<211>   414
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31007

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ctttagtagt tggggtttga gacgggctcg aagatggaat gttatttata acaacttta   120

ctaagttatt cacaacctct ttaagatctt caagagttga tttcatattt gagatttctt   180

gacatacctg tgttatagat atgttttgtg tctcatgcat aacttttccc tctccaacag   240

ttgaacacta ctgcaaaaat aacatactac gacagttctt gagtacattt aaagaccatt   300

ttgaatcatc tttgaaacca acatcgttga aagtcttgac tnttgacgac ggttntcaaa   360

anatcgtctt agaaaaagt atcattntaa gacggttctt gattaagaac tatc   414

<210>   31008
<211>   394
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31008

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actcttgctc ctctgcgaag atatgaacac atctataacc ctccctattt acggaagatc   120

ccccacaagt tactaacatt catattcttt gggaatttag tgaaaaagaa tgtagtttca   180

tcacctcccc tcccttgatc acctttccgt gctctacccc tccactctcc atcctctctc   240

attttcctaa tgcacttagg gacacataac cccttatcaa gtaaaacaaa ttttaaaaat   300

attcttggtt tatttagctt cttattctat taggattaat taaatatnta aaattcaata   360

atattctaca tatttagcta aagggaacta tttt                               394


<210>      31009
<211>      424
<212>      DNA
<213>      Glycine max

<400>      31009

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cgaaccctat ggtccgatga agacacaact catggtagac ttcctggaag aattcgttgg   120

gaatgaccaa accaccccag actggtggag cttctacgtt gacggtgcat ccaacgtgaa   180

ggggagtagg gcatgaatca tctttgaagg ccctggaaat gtcactctaa agcaagccct   240

taaatttaac ttcaaagcct caaacaatca ggccgagtac gaggcactca ttgcaggtct   300

aaaactagca acaaaagttg gggccataaa gctctgatgc tacacggact cgcatcttgt   360

ccaggggcag gttgccaact gataccagac caaagagaca atgttgctca agtactacca   420

catt                                                                424


<210>      31010
<211>      206
<212>      DNA
<213>      Glycine max

<400>      31010

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catggtataa tctgtggata atggtatgat gataacctta tggatcaatg cctataccgc   120

aacgttaagg ggagaaacag aggcgtcctt ggagtgtacg tacatgatat tatagttgca   180

ggctatgagc ccggtttgct acatga                                        206


<210>      31011
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<211>   130
<212>   DNA
<213>   Glycine max

<400>   31011

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acatcttgat tgcaaataca ctttacctgt catcaatttc catacacatg acattgctta   120

cccagacgct   130

<210>   31012
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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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atacatagca gaacaagttt tgtgttgtat ctcgacatga caaaaattca ttntgttgat   120

atacaaaaaa tataggttta aatatgtttt tatttcctat aaaattaaca agttatgatt   180

ttaatcctta taaaattttt tctttagttc taatccttca aaaagttgaa attttgtttt   240

tggcccctac aattatgcaa cactcattaa ttgcttgcat ttgacaaaag gtcaagtgac   300

catcccaagt gacacccact agtgtttatt tttttgggtt agaccatagg tattctccat   360

tggaggaaat cctgttcgag atggatagga t   391

<210>   31013
<211>   419
<212>   DNA
<213>   Glycine max

<400>   31013

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gcgcaagtcc acttgtaact tcaaagtatc aaacctttca ccaacaaagg tttgaagacc   120

atcgaaccta tccaaaatct ttgaaagaag agatgaatct tctccaccat gtccttcttc   180

atcaacatgt cgagcaccct ttttcaccca agagccatca tgctcttttt gataaccaaa   240

ggatgcaatg acagaagttc ctattagaaa ggatctcttg attggaacat agggttcaga   300

atcaagaggg atgttaaagt gttgaaggaa aagggtgact acgtgtggat atggcaatgg   360

12929

agcattcaat cgcaatgcct tatgcatgcg atatctaaca agatgtgccc aatcaattt   419

<210>   31014
<211>   386
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31014

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tacttcaatt tcctcagatt cctatagaac agagttgtgg gtatgttctg aaagtaaatc   120

ccaaagtcta ggccattctc atgcagagaa tcaaagatgg tttttgagg atacccttt   180

gctaactgcc tcttgatatg acttgttgaa ccatgagagg ttgctgagta cacaaaaagc   240

ctattgggtt gtgttggacc aggaattgaa gaanaccacc tgtcaaaaac agcaaattcc   300

ttaaccaaag cagcataaat cggcacagag tccggtttaa acccttttcat gacagtctca   360

gagaggttgg gagacataga caatgc   386

<210>   31015
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31015

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acttccgcaa aaaaatatag ctggtgtaat gggggttgat ttggcgtgta aggattgatc   120

agtgaagcac ttcacttgaa aggcttgtac agttgtactt ataggtctga ttcccactgc   180

caacaatccc acttggtagg ttttattttt atggaaatat cactataagc tctcattgag   240

gattatgaca atgccctgcc ttggaatgga atagcctttc ctcccttaa aactttgtt   300

tccaaaagaa gctgtcgtag attttggact tgtcacttat ggtaaagata tttataggta   360

tacatgtgct taanaggagt ntgacttgng attgatgaat gttgtanggg ttgaaattgc   420

a   421

<210>   31016
<211>   380

<400>   31016

ttttagtgga tgtgatcatt aatagtcgct ttgaggtttg ctaaaataca accgattcat   60

tctattatga ataatgaatt taaattttac ataagaataa ttatgatagt taaaaacact   120

tataaagaga tgattaaaaa aatgtacaaa tctagaagat aatattaata ccatacaaga   180

ataatagaat ataatatata tatatatata tatatatata tatatatata tatatatata   240

tatatatata tatatatata ctgtgtatat atactcaacc tcatgcatat accttcattc   300

aaattaaata ataacctata acattcgagc tgcgaaatct gctgctctca tattggatta   360

tgaattcttt atctaaacag   380

<210>   31017
<211>   352
<212>   DNA
<213>   Glycine max

<400>   · 31017

aatagtgaga aatataagaa ctattttaac ttctaattta ctctgattat tgatttatta   60

cagtatgggt aaactatgat taactataaa gtatgatgga acaaatatga aaaggcttac   120

cgactactgc tgattatgaa ataaatacac aacatacata gagtgaaatg agcatatatt   180

tcatatgatt acaatgacaa ataagacctt attcatcagt catcaccaaa tgagcataat   240

cacataaata aatggtcgga aatttgtctt aaattgaaaa ggaaaactgt gaggggccac   300

gatcactgtc agctgtgggg aatgaataaa ttcacccatt cattcattga tg   352

<210>   31018
<211>   167
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31018

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gctctgatgc cgcatagtta agccagcccc gacacccgcc aacacccgct gacgcgaacc   120

ccttgcggnc gcatcgaata taacattcga taatgtatgc tataccn   167

<210> 31019
<211> 291
<212> DNA
<213> Glycine max

<400> 31019

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actctaatgc accttacatg taattgtaca catattattt gcctatattt gatgtttggt   120

gtttctttaa atattggtga tccttagtga gcttgaaaca ttaacgtgcg gagtaaaaat   180

tgcatttttg tttaatgttt caacaaaacc ttttttttt cattttttg gggggggggg     240

ggggtgaac aaacaactga tgaaaatctc ctgtgataaa ctacaaatc c              291
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<210> 31020
<211> 421
<212> DNA
<213> Glycine max

<400> 31020

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agctttggca tctgagaggg gtcttcatgc tgttattgat ggtttctggg tggaaaatcc    60

taatttggtt aagcctgaaa ttctgcagca tttgcaaagc agattcaaat taattgaagt   120

tatgtacaag cactggagct tatttaaggc agaaattcta cagcatctgc agtctgtggg   180

tggaaaaagg gtgggagtgg aaatttaaat ggagaagaca cttgtttgac agagaccttg   240

agatggcaga ttgtttccgt aatgatgttg ctggcaactg tatttacatt cacaaaaagg   300

atgagtggat ctggaaaata gaccctactg gacaatattc ggtaattaaa ggagagacta   360

caaacaaaca caaatttgat gaggataacg gtggcaatta atgacacatt atgcccattc   420

t                                                                    421
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<210> 31021
<211> 393
<212> DNA
<213> Glycine max

<400> 31021

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tgtaaccgag gcatgctaga cggtctttat atttacaaga aatccttcca ttgtaagcac    60

accacatatg aatgagttta ttttggaaa tatcatcatt aatgataaaa ataaagatct    120
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atggacatac aaacaccata tatatacgca ctgtaaacgg ccaagacttt agctgataca 180

agtgtcatct tctatactct ccctctcttt ctttatatat atgctgccag attgctcact 240

tcgcaaacaa agaacattaa tgtccgcttc atataaacaa actgttcact ctgctgctgc 300

ttctatggac agttaccaaa tctctacatt ttctcgttac tcttcttacc ctgtaatcat 360

tcttcacgga cttccgaacc cggacacttt tcc 393

<210>   31022
<211>   401
<212>   DNA
<213>   Glycine max

<400>   31022

agcttcaaat ctagcttttg gaagagcttt tgttaaaata tctgcacttt gatcttcagt 60

tctgcagtaa attagtttgg cttcaccttc tctctgtgct tcccttaaaa aaaaacttga 120

tcttgaaatg cttagtcctg ccataaaaaa caggattatt tgaaatggaa atagctactt 180

gattatcaac aagaatctgt gtaggctcct tttgttccat atgtaaatca gcaagtatac 240

gccttagcca ataacttga ttcacaactg cagtggctgt catatatact gcagtgcttg 300

tagcctttgt ccacagcttc tttggcaact cctttttata caacatacac cttgtcatct 360

tcatgatatt tctattttct tctctcactt gtaccattct a 401

<210>   31023
<211>   416
<212>   DNA
<213>   Glycine max

<400>   31023

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gaggttcaac atggatcaat gtaataatgt agatatttcc gtggaaggaa atatgatact 120

ggatacaggc gatcatgaag cttcagtaga tgccacattg ttcaagaagc tagtgggatg 180

cttgagattc gtctaccata gtagaccaga aatctcatat ggatttggtc ttggcagcag 240

attcatgagt aatccaaaac agtctcattt ggcagcagca aatagaatct tgagatatct 300

aaaaggaaca cttaattatg gcatattggt tcctcatcag acagaaaaat gtgagctata 360

cctcgtagct tattctgact catactggtg aggggggataa gtggagagaa gatcta 416

12933

<210> 31024
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31024

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tcaaatgcta tcaaagctta atttaaaata tgtgtgcact ttggaccaca atgtgtgcaa   120

tttctgaaat ggggttcaat ttattataac aaatagtgat gtacataatg tttgtacaca   180

tttatatatg tgtggcataa tgaattatac tcgtaaatga aatatactgg tttaggattt   240

gttttatttc tgcatacctt agcaaaggaa acaactcttg taaatttgtc aagttaatat   300

ccaaaagctt tagctacttg agacgcacga tctgcatatg ccaaaaaata ttatcgtttt   360

ctccatcatc caaactnttc agttttcctc ctgttatatt t   401

<210> 31025
<211> 423
<212> DNA
<213> Glycine max

<400> 31025

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tagccaccat tctgacccac ccgagaatca acttcactga caaggatatc tttatccatc   120

acaacgagaa caatggccag attttatcct tcatggtaat ttcacccttc catatatcta   180

tccaaaatgc atatatgcac cattccccac ctttctaatc atattaactg aaaaccaatt   240

caccggacat aatgaattat gattttcccc catcatatcc ttccaccata taaaagtttg   300

actatgagtc aaactacctt ccacatccaa tcaatagtca tacctgaaat gtataaaatc   360

aaactatata gtgtgcttat ctatagagat tctcctcctc cacttagcta gaaggcttgc   420

att   423

<210> 31026
<211> 401
<212> DNA
<213> Glycine max

<400> 31026

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gtctgcatgt ttgatgatta acaaaaaaga tttttgtttt atcaaaggga ctagaagcgg 120

gtgaacagaa acaggtggag ctactagatt gctagggaag ttatgctaac ttgggttgat 180

gagttccttg tattccaaag aggtatttaa agggatggaa actaggaagt gaatctttga 240

cactttcttt agtggggcaa ctcaaccttg gatcatcaac cttgattgat aaaaatgtac 300

tgatatgaca accgtgacaa ttattcaaga taatattttc acatcatgga ctgttttgct 360

tgctttaaga aatatggttc ggtaaggttt agctttttga g 401

<210>   31027
<211>   430
<212>   DNA
<213>   Glycine max

<400>   31027

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tctgtgaaat tacagaaaaa taaaaggata tgtaagtttt caaaagaaaa aaaagaaaag 120

caccactgca aatgggtgta aactttccaa agtcaaatat gctagcaatg aaagactgtt 180

tggaagtatc ataagcattt attgtaagat tgttgacttt tataatactt acttttaaag 240

ttatatcaag cacaatttct aatgggctga cagtgtaaaa atcttcacac tgaccgttta 300

gcaaacttat acactttgat accatgggat acaaaccaaa ttaatcttaa aactcttctt 360

acatgcctcc aaagctagga caaatttcaa gtgataatct tattaacaat acatgtaaag 420

ccaacaagtc 430

<210>   31028
<211>   329
<212>   DNA
<213>   Glycine max

<400>   31028

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gaatcattcc aaacaacagc aacaacaatc ttattttcaa aatgctattg gcccaagcag 120

aacatacatt tcttcaccaa tccagcaaca acaacagcaa ccgccccaga aacagcaaac 180

aggtgaagct ccttcgcaac cttcccttga agaacttgtg aggcaaatga ctatgccaaa 240

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catgcagttt caacaagaga ccagagcctt cattcaaagc ttaactaatc agatgggaca    300

catggctaca cagttaaatc aacaacagt                                      329


<210>      31029
<211>      315
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      31029

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tgcttttatc gattaacatg gaccgttcaa aagcataaga tcaacacata actttaccgc    120

ttttgcaaga actatgtagg tctgagttcc tcatcacana tcgaggatac gtangagcaa    180

aagccccgct tttgtcgacc accccaagag atcgttaatg gtccaacgcc ttaacgtttc    240

tctcctttca aaaaccaaga gatcgttaat ggtccaacgc cttaacgttt ctcttctttc    300

aaaatcaaaa gatca                                                     315


<210>      31030
<211>      392
<212>      DNA
<213>      Glycine max

<400>      31030

tagcttgtga agatgcttca atggaggaaa agaaagaggg agagaaagag agaggggggga    60

gcacgaaatt gaaggaagaa aaagggagag aagttgaact ttgagttgtg tctcacaaga    120

ctctcattca tcaaagttac cacaagtgtt acacatgctt ctatttatag actaggtagc    180

ttccttgaga agctttcttg agaaaccttc cttgagaagc ttctttgaga aaacttcctt    240

gagaagctag agcttatcta cacacacccc tctcataact aagctcacct ccttgagaag    300

cttctttaag aagattccta aagaagctag agcttagcta cacatacctc tcttatagct    360

aagctcacct ccttgagatg agaagctaga gc                                  392


<210>      31031
<211>      413
<212>      DNA
<213>      Glycine max
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<223>   unsure at all n locations
<400>   31031

tcagaccaag gcaactcana atctaggtat ctaaaacccc tcaatttagt ggatttcaac   60

gtttaagaag tgaaaatgag aatggggtaa atttggagca aactctcacc tcacacaagt   120

ctataacatt aatctaaact tgctcaaact ggttctacac ctaaaattcc accgaatcaa   180

aatttgactc ctcaacaccc aattttaccc tagaaatgac ccttgttttc actttggtca   240

ctcatactcc tcatttgcac agtctaagct ttctcttaag tcctaaatga catttcaaac   300

taagattaac tcactttaac ccccaattac cactgaatcc agatttagcc ttccaactct   360

caaagcctca ctcttttttcc actcataaca ccacattctc actttctaac cct   413

<210>   31032
<211>   285
<212>   DNA
<213>   Glycine max

<400>   31032

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ctcatcccaa ttgaggaata cgtatgagca tagggaaaca cccttgtcga cctcgctaag   120

agaaactata tacaacgggt ataaaggata taaatacata caacgggaac ataaaaaatc   180

aaagtcacgt ttgcacattc gattaaaggt tgccgtccct tgcgacggac gtgtggggtg   240

ctaatacctt ctccgtgcgt aaatacaact cccgaacctt tcact   285

<210>   31033
<211>   476
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31033

cggcgccatg accccnattg agtccctgca ttacgtgaca cttaaatact aagcttgggg   60

agtctcgcgc cccaccacat gatggtggtt ggtgtctgtc ggagcatcgg gctcatggag   120

gaatcctcct gacgggcaca gcgcggactg gctgctattt gcagccgcct atctactaat   180

gagcccaccc tgcctttact tggcgattct tttttggtct atgaacacgc aactcaccaa   240

tttcctacca gacttgcgaa ctttccataa tgtcaccgta ccttgcggac taactaattc   300

12937

atcccatatt gacttacaga gggttacgaa accgtcctaa ctgcgcaccg aagcacacat   360

ttgattaccc gtggacccca gtaccatacc gattgtgcag caagataacc gtttgatcta   420

ctgcacgtac cggaagctca catatagtct tatgaccggc ggcaagaacc tcgcan   476

<210>   31034
<211>   321
<212>   DNA
<213>   Glycine max

<400>   31034

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ttgccctctg atgcattacc ctagtcgagg ggaatttggc gagcgaagac aaatactcag   120

aagctttgca atgcatgcta cacaagagac gatggaaccc tgggtcatct aggattgtct   180

gagagcattc aaaggatctt attcgagact acccgatcaa gtactgtgag aggggggaaat   240

gaatagagga gacaatttcc attaccctag tgtagttgta tacaggcaga cgacgaatga   300

cctacagctc ctgatcacga t   321

<210>   31035
<211>   407
<212>   DNA
<213>   Glycine max

<400>   31035

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atgcggactc tttcagccac tttccactat tgcatagttc ctacctccaa tatcaacatc   120

atgactgctt tatcttatgc ttacagcaaa ttgcatctca ccgagaccat tctccaaccg   180

agaatacccca tgtgtatgag attcctccag ccacaatcca tccagagatc tggccctcca   240

cactgtgcat taagagtgac attatgaact gattgccgac ttccaacggg atgtgtccaa   300

cgagcctacc tgatgggtga ttacataacc tatgaattaa atatgtctag gctgactacc   360

tatttggctc cctgtatgac attgtgatgg tgtagttgct aacaaat   407

<210>   31036
<211>   269
<212>   DNA
<213>   Glycine max

<400>　　　31036

gcgctctgga caacaccgaa aacacccgga tatgcagtgg tcaaacgaaa aacaagaaaa　60

gcaccactgc agacgggtgc aaactttaca cattcaaatg tgctaccaat gcaagaccga　120

ttggacgaat cataaacatt tattgaccga tggccgactc ttataacaca cactttaaa　180

gtcatcataa gcgccatccc gaacgggccg acacagtaaa aggctccaca ctgaccgact　240

agcagactaa tacgctacga taccatggg　269

<210>　　　31037
<211>　　　377
<212>　　　DNA
<213>　　　Glycine max

<400>　　　31037

agctttttga actaggatgt gttagatcac ccaataacgc ggccacatac acagcttcta　60

gctattcgta ggacatttca aggcccgtat ccacatgtca atgttacacg gtgatgtttt　120

taccataaaa tcaaacctca ttgctaacta ttataaatat ggcgagagta acttaaaaca　180

tttattgttg cctcatctta ataccaatct actctcgatt ttgctatata cgtttggatg　240

atgattgttt cctagagatt ttgatgtcta ttcttataga ttttaaattc ctcatatcat　300

attgagaatt ggccttggca tcgtgtgatg tgccccatgc agcagcaact tctgttttac　360

tcatacttct tactata　377

<210>　　　31038
<211>　　　601
<212>　　　DNA
<213>　　　Glycine max

<223>　　　unsure at all n locations
<400>　　　31038

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tccttcctcc gcanncntna nntaaannnn nntanannca gcnaccnacg ggacantttg　120

gaaacccttg gtagatttgc agtacgacta gccanancng ngacactata nnaaactcaa　180

gcttggccac tttcatccag aactggtagg ctcanatctt cttctgtcta cctcgacgac　240

gagaaccaga tcctcctcgt catcggagac cacacaagca tgcaagtaaa aggagaatat　300

attctaacaa tagagcacgt acatcgatgc acaactctac actatcacan attatgatag　360

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gacgataatg ccggaagagt ctctgcaatg agttatcctt gcaaacgcat acgtacacaa    420

gaattccaca aagttgacac cttaggtgta taacactcaa cactgagtac aagaggacct    480

actcgttacc atgtggggcc tcctatgtta tggaaactcg gtgagcacca cccagagggc    540

gtgccataca cttacaggta accttaccca gcctgcccgg aatgtctgtc ctaggaacgc    600

n                                                                    601
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agcttgtcca caaaaatagg ttnttgaagt ttgtcatttc aatttctcac taagtaaaat     60

ggatcatttt caaggtccaa cgccttaaaa tgatcacttc ttaagtaaaa aagaatcact    120

tgataagaaa gaactacgta ggtctgattt tctcatccca attgaggaat acgtaggagc    180

aaagggaaac acccttgtcg accacaaaaa gagaaaaaat ataaaaggg tataaaggat    240

ataaagacat aaaaagggaa cataaaaaat caaagtcacg tttgcacatt cgattaaagg    300

ttgccgtccc ttgggacgga cgtgtggagt gctaatacct tccccgtgcg taaatacaac    360

tcccgaacct ttcacttaaa agtt                                          384
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tgccacccag ctcgcccagg cgagcagggt tgcttcctcc agaagcaaca gccttctgga     60

ggaatcttcc ggagggccca agtgggcctg gttgctattt gcacccccat ttttactaag    120

tacacccct gccttttttt ggtgattctt ttttggtaaa gttacggaaa cttacgaatt    180

tcgtaacgat acttgttttc tttccataat gttacggaac cttgcggatt acataatcat    240

cccctttttg acttacggaa tgttacgaaa cctcactaat gtgcaacga tgcttccatt    300

tgatttccgg tgtgtcacgg aaccttacgg attgtgcatc aatattttct tttgttttcc    360
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<210>   31041
<211>   381
<212>   DNA
<213>   Glycine max

<400>   31041

agctttgtgt ggagcttcaa tggtgaatga gggaggaaga aaagcaacgt gagggagagg   60

gagagagagc ttctgaaaat gtggggctga gtgaggagag agagggttgc tttttggttt   120

aaataaaagg gttttctctt tttctattat tttatttaag caatgccaca tgtctccatt   180

tgagtggagc aagaagggcc cactttctct ttttgactgt gacccatatt cagtcacaaa   240

agtgagaaaa atctgacctt tgaaacgcta aaatcctgcc tcggtttgcg tgccgtttct   300

ttgattccag tttctcgcgt ttctctgcgt ccgccggggc cagttttcga aagcaagcaa   360

tatatatatc aaaacgctca g   381

<210>   31042
<211>   439
<212>   DNA
<213>   Glycine max

<400>   31042

tataaaactc agctttacat ggatgtccga ttcggtgaca taatatatcg agacgctcga   60

aatcgaacaa cggaagctct cgataaattc gaatggtcat aacatttcac tcggatgtcc   120

gattcgggga cataatatat cgagacactc gaaattgaac aacggaagct ctcatgatat   180

tcgaatgctc ataacatttc acacggatgt ccgattcggg gacataactt atctagacgc   240

tcgaaattga caacggaag ctctcgagaa attcgaatgg tcataagatt tcacacgaat   300

gttcgattcg gggacataat atatcgatac gctcgaaatt gaacaaccga agctctctag   360

aaattcgaat ggtcataaca tttcactcgg atgttcgaat cggggacata atatatcgag   420

acgctcgaaa ttgaacaac   439

<210>   31043
<211>   159
<212>   DNA
<213>   Glycine max

<400>   31043

ataaacatat atagctcata tatatattct tctcgcatga ggaacactgg ctctaatcct   60

cacttggcta tcttgaagat cggccccttt tgccatgtct gattgctcta tcaccataac   120

tgcctgctat gaagcccata gtcttcaaat ggactcgaa   159

<210>   31044
<211>   325
<212>   DNA
<213>   Glycine max

<400>   31044

gatgatactg ctaactctat aattataaat catgcttttg tattctaata tatttcactt   60

cctgtatgct gcgcaaaatc tcattcttac tggtgtcaag tttcagacct tgcatgatga   120

tgggactgtg gaactatggg atatatccgg tagctttgtg ttttcagaaa atgatgttgg   180

gaaaatcatg gcagcaactt ctgttagtaa ctgcaagagc tcacaatgca gtggttgtac   240

aaagcttgac tactcagctg actaatgagc acctttccaa ttttcaagta cctacttcct   300

ctgtctaatc ttccctttct tttaa   325

<210>   31045
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31045

agctcacatt ttnctttatt ctgnnncttt nggagctgnc aaatgattgg ttgtaatcct   60

tttatgtagt tatgtactat gcataatgcc aaaggacaag tcatactatt cagttttcaa   120

aaggaataac cttaaacgtg catcctatat tgcattgngg tggggtggtt aagtaggaaa   180

gagaaacata ataaatacaa aaatatgata aagggatata atgaaataaa aaatgttaat   240

acacattntt atgtattttt attattgatt aaaatttatt anaacgttag agattctatn   300

tattgttaaa tgtatntaac tcataattct attattntta anaagtttta attaacaata   360

aagaatattt taaaataata tatggatctt tnttcacaat aacaacaatg aaattcanac   420

ttaanatttc atgct   435

<210>   31046
<211>   414
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31046

ttgaaaatat aatatcttga tttctaaaat acccattgtc tctccctctt tgtaaacatc   60

aaaaaggcca aagtgcgcaa aacatgaata atttaatcat acacaaagca taatttgtaa   120

aacaaacata taagattctg atacatacat aaagaaaaac atgaataaaa ccaaattgaa   180

atgcaaacca cttagtcata taacacanac cataaatatc atgttcagtc atactaagca   240

aatattaaaa gaaatactaa gttttcaaat gtcataataa tatagccaaa tacacggcta   300

gaaaacaaaa tactaataat aatagtaatg tctaaactga tagtggtggt ggagggaaat   360

taatgtagtc acgaatgatg gtgaaatctt cttcaacctt tgtgatcctt gagt   414

<210>   31047
<211>   262
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31047

ttacagcaga tactagtagt gacccactaa cctacaatta acatttctga atgtccttaa   60

cctangggat tagaactaac ttaatggctg aatgatactg aaattgctgg cgaccaaatg   120

tcaccccctt cagcaacctg taggcaccat ttggtctccc taaatgctga tgcctacgtt   180

gccaattgag cccttaatac aacttgaact aatgcccttg tagttgatta acccataaca   240

tacttttggt cagccaactt ta   262

<210>   31048
<211>   159
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31048

ctgcaagctg atctgcctct tgtaaaagta tgacctttga attctcggag cttcgttgtc   60

aatttcagcg tctgatatgt gaacncctga atcaacatcc gtgtgaaagt atgaccattg   120

aattctcaaa gcttcttggt caattccaca tctcacata   159

<210>   31049
<211>   . 377
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31049

tcctcggtgc catttcctac gaaggcaaac attggaaagt agttttacca agaaatgcta   60

ctcttaaaac aaaaatggca tacaacctnc tncaataaac acaaacatcg atgtaaattt   120

aaaagcaact tatgcacata ctttttacc aacggtcact tgcaccagac atcttataac   180

taaaaaaat gcacccatgt acaatcaagg cacctttcgt acctagatta ttcatatgta   240

cttgccaagt gtatntgcta cctacatcac atgcactttc tttgctaaaa tacatacatg   300

catactcaaa gcatttgggg taccaaaaat gcacatgtgc acattccgta tttctaatac   360

ttatgcatat acaaact   377

<210>   31050
<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31050

agctttgtgt tgatttctga ttttcatgca aaatctanat tagtagatga aaaaccagtc   60

tagaagggta atctaatttc agatcatgtg gtaaaatctg ccataacaac tntggggaca   120

ggagtcaatc ccctttcgaa tactatatca caaattaaag ttgctcaagt aaaaaatgat   180

acatatacca agccagtagt tagctctttg agaaaaccat ccatttctac caatttacct   240

tctgacccaa aggttcattc ttatattcct tatgtatcta ccatagttag ttggaactag   300

anaaagagca aattgtcacc agcaatgact actattgatc atgatctaac ataatatata   360

gtagcacagt gtanaacacc aaagaggata tcatgcttgc caccgaggac tacatacatg   420

actcacnaac atttannaat tcagaaacat tgacaataat   460

<210>   31051
<211>   418
<212>   DNA

<213>   Glycine max

<400>   31051

aatcttatcc aatatatgat atgtgccatg atacgaacca tattactata gtgagatggt   60

agtgactacg atgatagtga caatggtggt gatagttaca ctgacaataa tggtgatgac   120

actagtagcg atagttacag taacaataat ggtggtgaca ttagtagtga tgatggctgc   180

gacaacgaca atggtaatga gtgatagcag cgataatggt ggtgtttctt atggcgacaa   240

tggtggtggt gatgatggtg gtaatgatgg tggtgacaat agtagtaatg gtgatggtta   300

ggatggtgac aatgatgacg acaatgatag tgatgagtgg tgagacactg gtggtgacta   360

tgatggatat gatggtggag acaattgacg agtgacaatg atgtgatggg gttattat   418

<210>   31052
<211>   344
<212>   DNA
<213>   Glycine max

<400>   31052

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cgaaagtggt ttggaggttc ataagacaga tgtgcacgat ctgaccattg cgatttgcga   120

tatgacttgc ggtgtgtgag acacacttga gtgtttcaag tcttattttc atgtagcctt   180

gaaaaacagc cattcctttc tacttctttc ttgccaaacc cttccccaac atcccaagct   240

tcttctttac cacccacaac caccagtagc caccacaaac tgccatagtt ctccattgaa   300

acctcacacc gagaggaacc cttcaatcgg agtggatctt ctaa   344

<210>   31053
<211>   249
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31053

tgccctaagc acaagaaata aaaacatgtt acgagactgg ccctgacttt ctcgtgctac   60

tagagtactc atgctgagac agcgcttttt aagccaatga ttgaattacg atggtcacaa   120

tcaattatgc tcacactgtc acacatatgc gattatatgt tgacacaaaa aaatagcatc   180

aattctgcac agcttgcttc ctgaattatg gcaagccata ngagtggcaa cgggcagata   240

aataatagc

<210> 31054
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31054

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tatcattaga actaacgaat tcagtaataa cttccttaga aagaactttc tcctggacaa 120

aatgacaatc aatctcaata tgtttaattc tctcatggaa tactggatta aaagctatat 180

gtacggctgc ctgattatca cagcatagct tcatttgttg agtatctcca aacttcaatt 240

cttcgaagaa gttgtttaat ccanatgagc tcacaagtgg ctacagccat agctctatat 300

tcagcctctg cactagacct ttgcacaaca tttgcttctt actctttcat gagacaagaa 360

tttctccaac agacacacaa tatgttgaag tggacgccta tcnatggtga tcctgccatc 420

tgcttgcaaa tccactatt 439

<210> 31055
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31055

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tgcaaaaatg acttccacag gtggtgccca aatttcatga gaatccaacg gttaacgagt 120

ctacgatcgt aattctacta agacaagttt gggtatatgc ggaaaagaga gaggttttgg 180

gagaagaaga agaaagaatg aacttgcgag gagcananag catagagacg tatcctaaat 240

gtaaaactga cctagtatgt ctctatttat agttagggta ctcttagcct attatttact 300

ttattatttt tttacaaaca tacttctatc ttactttttc at 342

<210> 31056
<211> 338
<212> DNA
<213> Glycine max

cgcatccgtc acaagagacg gtaacctcta atcaaatgtg caaatatgac ttcaattata 300

tttatttccc tttctacgtt cttatgtctg tttattcctt ttatgtatta tc   352

<210>   31059
<211>   486
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31059

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acagagtcgn cncntccttg ttttctntga acttgttcta tatctcacct gtactccctc 120

tattgccacc gtacttggaa cacggctatg ttgcttacta cgatgtggag cttgatcctc 180

aatatcttcc aatctatccc caggatcggg tgttaacact actcataccc attccaaatc 240

cctgaaatgt cctgaacctg atgcaacaaa aacacactcc ccatgaatcg aaacccaacg 300

atcactgcca ccgtgtacat ccgccaatta aatgttcttc gtgctgacct ttaactgcaa 360

tcccacatca caatgtcaac ctgacaattg tgatcttggc tacaaatcat gagccgtcgc 420

ctgttcaata gaacgacctt cgaacctgac atctatcgag cctatctgaa aactctgcgc 480

                                                                    486

tgcact

<210>   31060
<211>   294
<212>   DNA
<213>   Glycine max

<400>   31060

cttcatcaat ggagtccttt gcttcttgaa gatcaatgac agtggaatgc aaaaggagga   60

aaggtgattg gagatgccac ttcaaggaga agagagtcaa gaacaagttc accaccatat 120

gaagccatgg ataagagctt gaaagttgga gaaaatgagt ggagggagag ggagagaatg 180

ggcacgaaat ttatgcctcg aatgaagtct aaaatttgaa gtgtaatttc tcaaatgatc 240

aaagtagaaa taatgcacac aaaaagcctc tatttatagc ctaagtgtca catg   294

<210>   31061
<211>   490
<212>   DNA

12948

<223>   unsure at all n locations
<400>   31061

tatgaaccct gttganaccc ttgttgaaac cattggatan cctctcnana tnggcaccnt   60

tggtggggat cttggtgccg attattgtag aggctttatg acctatctta agatttgaca   120

ctgacgattt cgaattttac tttcctgaac atagcgttgt acatgctgtt tcggcaccaa   180

gacccactgg gataagtcgc tcatgggaca cgggatctaa gtccttttgt taggtctgcc   240

tgagttttac tgcctgactc ttttctttca agatattctc ggtcttaatc tagtcaaagt   300

gcctgttacc acatgaactg acccttgagt acacccattg ttatgatatc cccacttgag   360

ctatatacct ggcacacaca cctatatttc ttcatctcca tggagaacga gccactgcta   420

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ccactcttcg   490

<210>   31062
<211>   237
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31062

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tttttcgtaa agttacggaa acttacgaat ttcgtaacga tacttgtttt ctttccgtaa   120

tgttacggaa ccttgcggat tacataatca tccccttttt gacttacgga atgttacgga   180

acctcactta attatgcaac gaatgcttca ttngatttcc ggtgtgtcac ggaaact   237

<210>   31063
<211>   128
<212>   DNA
<213>   Glycine max

<400>   31063

tgagcttatc tacacacact cttcatataa ctaagctcac ctccttgaga agcgtgcttg   60

agaagaatcc tgaagaagct tgagcttatc tacacacact ccctatctta gctaagctca   120

ccccatgc   128

12949

<210> 31064
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31064

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agcnnagant ttcaanttta tntacngaan cagnngagga ancttgggca ttatctttcc    60

aagtgatata ttctttcttt cctttcttat ctttgaaagg tttcttgtca gaattttcca   120

tttttcttct aaagatagga caatcaactc tcaggtgcct aggttgatcg cattcatagc   180

attntggaac tgaggaggaa tcttctccct tcttctttgg attgaggttc aatctcattc   240

gatttccttt gttcctcaga annatattta atccttttac aaagagactg anatcatcat   300

cttcttctaa attatttttt tcattcaagt cttctttgcc actttcttca tgaatagaag   360

atgaggttnt gaatganatt cctttcttct ttcnttcatt ctcttcatgt tgggtgagtt   420

cataag                                                              426
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<210> 31065
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31065

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tgcatgattt acatctccct ctntctcaag caaattcttc ttgatatcat caaaatcttc    60

atgatttatt aaagaatttg aaaataaaga ttttgaatta ttttgtgatg aacatggtat   120

tgaacataat ttttctgcac caagaactcc tcaacaaaat ggagttgttg agaggaaaaa   180

taggtcattg gaagaaattg caagaacttt attaaatgat acttctcttn caagtatttt   240

tgggctgaag ctgtcaatac tgcatgttac atcatgaata gagccttgat aagacctatt   300

ntaaagaana ccccatatga gttatttaac ggtagaaaac ctaatatttc tcatctacat   360

gtttttgggt gcaaagtgct tgtacttaat aatggtaaag ataatctang aaaattcgat   420

gcanaatctg at                                                       432
```

<210> 31066
<211> 418
<212> DNA
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<213>    Glycine max

<223>    unsure at all n locations
<400>    31066

agccttnctg ataccagtta ccacttcacg canagaanac gaaaggaaga agaacgcgac    60

ttangtgagg tcaggggtga ggaaggagac cgaaaccact tcacgcaagc aaaaagaaaa   120

aaaatggtga gggatcacga ggaagaagaa ggccaacgcg ggagggaggg aaggagagag   180

atgaaccatt tattttttaaa ataaaaaaaa ttaagccagg tgtacaaagg tattttttgcg   240

tcaactgttg agtgcaccaa caaaaatgtt gggtgcacct agcagcactc gccagtgtac   300

aaacatgaga ccaacatana ggatatccag ttcacgagtn caacatccaa gttctctttg   360

ttggttccga gtgttatgcc ctagtgccca aaaaactntc caatatctca tatactcc    418


<210>    31067
<211>    371
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    31067

catttatctc atcccattca acctaaacat ttcataaaag tgaacatcat aatcaaagct    60

tanatattca aactaggaag aaaaattatt caattcaaga ttaagaaaat tctctaggat   120

aaaaatcatt ntatgaaggg acatatcana gcaaaacatg agtgcatgta ccacaaagtt   180

gaaagaattg acaccataga tttagttatc catattccac aataagttgc ctggttcana   240

aagcacttca agacacaatt agccaaagaa atttaatatt ntgttgcaag aataattttt   300

taaataaaag tagctacagt acaagtttat gaacatctat cacaacttat accaagaaat   360

tcttgataat g                                                       371


<210>    31068
<211>    429
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    31068

agcttaaggt ttgngattct attatananc acttcatcac ttgcttggtg aagatcatca    60

agccggtgcc atgcaatttc ctgcaggtta cacaatttct cagtattttg ataacctggc   120

```
agtggcaatc acatatagag taatttacca tgatctttaa cataagaaca aagaaaagca    180

atcatgttga aagttctcag ccacaacaca ctcaactgga ggtgcaagga aaaaacagta    240

aagaccanat atagatccaa aattcagagt aaaaaagatt caaattagtg gaaactctgg    300

ttttccttta gtttctctgt nttttgaaat tgacttatca tcccaggatt gtacttttac    360

attctactct aaagaagata tcctagacta aactactata tangagataa ttaaagataa    420

ctcttagta                                                           429


<210>      31069
<211>      413
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      31069

tgtcaaagaa tccaacctct catggtagaa gcaaacacat agaaacaaga tttcactatc     60

ttagggatca agtgaacaaa gagaaactga aagtggagta ctgctacaca tttgatcaac    120

ttgctgatat tttaaccaaa cccctcaaag gggagaggtt taaaaatgta aggggcataa    180

ttggcttgat gaacttanga gatcagaata agggaggggtg tgagagttta attnttgttt    240

gtgtggggta gaattgtttg tgctttgaat ataagagaga gtaacagaat ttttaaattc    300

ttgtataagt actagcctaa gtgtgagngg ttatttactc tgttttgctt gtataaangg    360

catacataca tcttaataaa gaggatttat tcattctatc attttcagtc tct          413


<210>      31070
<211>      402
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      31070

agctntgagt tanaatttga ctcaccatan accttgaccc agcgtgagaa tgccaatcct     60

taccctcgga agcaaaaaaa gaatagaggg gaaatttcca atcacagaan aagagaagga    120

aaatttccaa tgaaagcaaa aaagacatga aggaaaattc cccaatcata gagtgngaga    180

aagcaaanaa aggataagaa ggaaaattcc ccaatcaaag agtgggagaa agcaaataga    240

tgagaaagga anattcccaa tcanagaatg ggagaaagta aaaaggaag aagaagaatg    300
```

acagaaagct cctgatcaag gatcgaaaga aaccagaaga aatgtgcaga gaggtctttg 360

gaccagacaa tatctgaaca gtacagaatt gtcaccaaat ga 402

<210>   31071
<211>   357
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31071

tgtaaatatt tattggtata atttgcctgt tccattaggc tcttaatgtc tttagaggtt   60

acttcctcgt taacatcttt tgtcttgaat ggaattgcca tgacaggttt attggtactg   120

tctttgatat ttggtagttg atattgtgtt gcgggaagta attccgattg gattaactca   180

ccatccttca cttgccaatt tgctatgaca ttttgtgttg aatcacctat gatgtcttgt   240

ttccaagggt aatctatatc ctttctgatg gcataagcat gaaaccaatc aaagaanaag   300

acattaattt tgactctttt cgacaaatcg tagaacttgt cttggatttg ttctctg   357

<210>   31072
<211>   444
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31072

cctacttgac taggcgacaa tggtgaaaca gttctcacag actcagactc gacagggaat   60

gtgaaagaca atgtggcatt ccagagcagt ccattattac tgtatgatca tgacttcagc   120

ccttacataa tctgagctca tggtttgctc ttgtcactga tgacggagaa gtcaccggac   180

cctacccctta ctgtgtcatg cctttgatta taggattgat gagatacagc agggcctggg   240

taatcacgtc cgattcatgt gctcgagctg gcacagaatc aagatatcag aggtaggctg   300

ccaccgccat tgctgcattg taacctttat tcagttgggc tactgccaag acatgtgccc   360

ttatcaacat tagaacgctg catattcgag attgttctct ctgcacccgt cgaatctgtt   420

gacactgaga agactgtgga taan 444

<210>   31073
<211>   444

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31073

aatttgttat caatacctta aactaataac ttatgacatt acaacatgca aagttggaac   60

gttccaactc atggcaaccg taaaagagca aaaagcaact caaagatgcg ttgattgtca   120

acagaattaa tggcaaaagc aaatttgagt ttggtagtga ctccttgctt tggcacaaat   180

tttatcagga tagtccttcc aagaaagata tgaatcaggg caatcttatg gtctttttgc   240

atgattcatc tgtttcgcat aatgaacatc accgtatatt taatgtatat ggagaaatca   300

aagaggtgag tttggcttac caattgtttg ttgcacaaag attgatctga ataatttatg   360

tgtggntgac taactgtctt gagtttctgt tcatcaattt ctttggtaca ctttnntgtg   420

taatctttgc tggaggatga caca   444

<210>   31074
<211>   303
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31074

tgaaattgat caacggaagc tctcgagata ttcanatggt catatctttt gacaagaagg   60

tcagattcag gcacataata tatcgagacg ctcgaaatta aatagcggaa gctgtcgaga   120

tattcanatg ctcattactt ttcactcgga ggtccgagtc gagcgcataa tatatcgaga   180

tgctcgaaat tgaacaacgg aagctctcga gaaattcaca tggtcataac tgttgacacg   240

gaggtcagct tcacgcgcat aatatattga gacgctcgat attgaacaac agaagctctc   300

gag   303

<210>   31075
<211>   517
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31075

tgatgttcat tgcatgcngg cgaatcactc gacccgggat ctgtgagtcg actgaggcat   60

gcaagcttan cttttagttc tctgcanagg nanccaagcc gnagagaaaa agaagagaga   120

atggaggcac aacnnnactg gcgacgagcg agatacagca gcngacgaac acagnactnc   180

taaaatcccg acagggagaa tgtgcgataa tgactttcaa aggaggtgcc caagtttcac   240

gaaaatccaa cggctcacga gtctacgagc gtaattctac taagacaagt gagcgtatat   300

gcggaacaga gagaggctct gtgagaagat gaacagagat tgaactggga ggagcaaaga   360

gcatacagac gtatcctaaa gggaaaactg agctagtatg tctctatcta gtaggaggag   420

actctgagcc tattatngat gatactatta ctctcacaga atactcctat tatactctgt   480

cgtcaatgna gaacacagta gaacattcat gtatttg   517

<210>   31076
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31076

tatgcatcca ataccctgat gaggatgtcc catatgttct aaaactgga ctgattcatt   60

tgcttccaaa gtttcatggc cttgcaagtg aagacccgca caaacatttg aaagaatttc   120

acattgtctg ctcaaccatg aaaccccccag atgtccaaga ggatcacata tttctgaagg   180

cttttcctca ttcattagag ggagtggcaa aagactggct gtattacctt gctccaaggt   240

ccatcacgag ctgggatgac cttaagagag tattcttaga aaaaattnnt cctgcttcca   300

ggaccacagc catcangaag gatatctcag gtattagaca actcagtgga gagagcctgt   360

atgagtactg ggagagatta agaaactatg t   391

<210>   31077
<211>   363
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31077

aaataagccc tccatcagtg ggaccttaag cttcattgga taatttcttc atttggttat   60

gatgaaaacc ccatggatca atgcatatac cacaaggtca atgagagtaa aatatgtttt   120

cttgtttcat atgtagatga tattntactt gcagtcaata atcagggttt gctaaatgag   180

gtgaaacaat ttctctctaa gaattttgac atgaaggata tgggtgatgt atcttatgtc   240

attgacatta atattcatag agataaacct cgaggtattg taggtctatc acatgaaatc   300

tatattaaca acaatttaga gagatttang atganagaat gctcaccaag tgtcgctccc   360

att   363

<210>   31078
<211>   400
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31078

ggacctatga aactcagctt tacatatttn tttcaggaga tagttgtaaa aatatntatg   60

caaaaggtga taattgncca tgtattgcat tgctcttagc tcaacattca tccaatgagg   120

ggtattgtga gaagagtgaa aaaacgcggt tttgtagatt aaaacaaatg ccattggagc   180

taacgtggaa agacanagaa attaacaatt gcatataaaa aggggggtttc tggtggtaga   240

caatattgta agagaatagt gttggaggaa aataccttaa tttgaagtaa acatggtatc   300

caacctgtgg ccaactcgat gcttttttga ggaatgtgct ctcgctgctc agctgcaact   360

gtgccttact attactaaca ggtcaatttg atgatggaca   400

<210>   31079
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31079

agctttgaat ttactattca atggagttga caagaacatc ttcagactga tcaacacttg   60

cacagtggcc anagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt   120

gaagatttcc agattgcaac tcttggctac aaaattcgaa catctgaaga tgaaggagga   180

agagtgtatt catgacttcc acatgaacat tcttgacatt gccaatgctt gcactgcctt   240

gngagagagg ataacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag   300

atttgacatg anagtcactg caatagagga ggcccaagac attngcaaca tgagagtaga   360

tgaactcatt ggttctcttc   380

<210> 31080
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31080

```
agcttatgag ttatctaatc aagattcttg attgctctta aagttgtaac atgtggtctg    60

actagtctcc actttctagg taaacttcgt aagattttat caacatgatc ataattatca   120

taatgtatac ctagagagcg gagctcgttc agaatgattt ggaagtttcc aaacatggtt   180

tgaatatctt ctccctcttc catattaaag agttcatact tatgtgtcag aaggctcaac   240

ttgttacgtt ntacgttaga ggacccttcg taggtaatgg ataaggtatc ccacatttgt   300

ttggcgcttt tgaagttgtg aactttggaa tattcttgcg cgttagttga taagaaatat   360

agacttatga tcatccatcc atttgtcctt ggggatcttg ttcttctga              409
```

<210> 31081
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31081

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tccttgagag gcttctttga gaagctagag tcttaactat ccacacccct ctaataacta    60

aactaacctc cttgaaaata aaacatggat aaaataacac aacaaataaa atcaaacatc   120

aattataatt gctaataata tttcaaggtg ttacagcttg tccaaagtag ccttgggcat   180

gatgttgagg gaagagccat tgtcgataag cactttggcc actatgtggt gatggaagct   240

tgcttgtgga gcttctatgg aggctggatc tttgagcttc aatgaggtcc ttcaatggtg   300

attntacacc atggagatgc                                              320
```

<210> 31082
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31082

```
taagcttatt cttttgacag nntattatca tgcacaacct gcaagaagtg gctcataaca    60
```

```
ggccaatcat aactatggag cattttcttg agcaagtagc ctggcctgaa gctcaacttc   120

cattggtgag acccaacgag gctactccgc ctgagcccac ctgtgcaggt tgatccagag   180

ccaactaacc cacaatctct agtggtaaat ccactatctt ctcttgagcg tgaagtagtt   240

cccccatctc cacctctgat tatcatctcc gatgcatcat ctgatgaagc agctgccccc   300

tctgatcacc anaaggagaa aacagctgac cttctacttc ccctagtgga ggaanttctg   360

antcgtcatc tgg                                                       373
```

<210> 31083
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31083

```
tgtgacattn tcaattctac atataaccct gtaagttagc tatctattga tcttattttg    60

tttataggtt tctaatttct atcatacgtt ggttacatat atttatattn tattgatgtt   120

gcaggtgcac atttgggact tttcaggaca gacaacccag ttcttcttga atgacaaatc   180

tagattgcca aacgattctc ctggtcaact tggaaaagag gtagttggtg attgttaata   240

gattggcacg tgtatcaatt ntatcacaag tagtaaagat taatatggaa gttcaagtat   300

cgaatccacg aggactttgg ttgtacttta gtgattctaa cccaattatt aagcaatgag   360

aagaagtaga agagaaaatg aattgtaagt gtg                                 393
```

<210> 31084
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31084

```
ttagcttatt actatntcat gnnactattt atgattttgt tacttttctt tttcatgatg    60

aagttattat catgtaaact gaacaactct caacatatct ataatgcatt aagttatttt   120

gtagcaagat tttaaccgtt ttggtgtgtt tagtgacaca ccagaacatg acattgctaa   180

tcattaaagg aaatctcttc taaattgagt aactcactct agagggtaaa gtgagaaatc   240

atagttgttg atgaanaaat caacaatcag ttaggtgcac atatatgaca aatcatggat   300
```

cttgtggaat attgaannat gaattttagt anatggtcta atttatattt ggttcttaat   360

agaaatttgg tntatgaaga atctttaata aaataataat tttttttttat tcttgacact   420

tatntctagt tccta   435

<210>   31085
<211>   310
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31085

ttcttccgtc ggtgctcctc tcatggggta ccctagttgt cttatagcga gcgcgggatt   60

gtagttaata caacccctcg ttcctaccag cggaatgttt gggtatcctc cacatgagaa   120

gaggacccct tcttttcctt ctttccatcg ggggaaccaa ctgatngttc taccttctat   180

cccggccaag agctggtccc aatctattct cctcttttca gtacacgagc gatggctcag   240

gagccgacat ggatgtcttg ggtcttgttg gaacaagtgc gaaaccaacc atacacagag   300

ggcgggtaag   310

<210>   31086
<211>   191
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31086

ggattcattg gcctcttacc tgttcatttt atgtgtggaa ggcctatncg ctatgatcaa   60

gaaggtggag agtaaaggac aggtgcctgg ttttgggttt gtaggaatgc ccttctatca   120

gtcatcttgt gtttgcgggt gatatctatt ctttgagcat ccaataagga gtgtatgagt   180

attcaacata t   191

<210>   31087
<211>   175
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31087

```
ttcctttgac tcgattagct aatgatgtga actgcacgta atatgactga actgaaccaa    60

tttgagtgag tttaaacaac tgagatctan gacattcaca cggtgatggg cccaattctg   120

tctctaggct tgcgtanaac aatccatgtt gtgatgattt tcacgagtat tattt         175


<210>      31088
<211>      442
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      31088

gcttgctgat tacattctcc cnctttctca agaaaattct taattcttct tgacatcatc    60

aaaatcttca tgatttacaa atacaaccca naaataaaat aaaataaaac tggacgacaa   120

ataaaattgt ttgctctttt caagtccaag ccggttcagc ccaattctgg atccaagccc   180

aattgcttat aattctcttg aaattaaatt aaaacacaaa attagtcaag taggtccaaa   240

tgataaaact gcataattaa tttgacaatt aaggttaatc agtaattaaa atggtgacag   300

aaaggggtaa gaaataggag aaaataatga cacatcaata ggcaacttcc ccccctatgg   360

tgattagctt gagtctcaag gaagtttcan accgagtggc atgcccccaa gtacaaatat   420

ttttcctcat gaaaaactac ta                                            442


<210>      31089
<211>      377
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      31089

agctngtact taacttatga naaatcaaga acaaacttgt tcgcacatcg ttcgcgtgta    60

tgatatccac tcgacaaggt ttgaagtgga ggagaccttc aatcctataa cgcaacgtgg   120

cggacaaaaa tgggcagtta actngaatgg ccattattgt caacgcggaa ggtatnttgc   180

gcttcactat ccatgttcac acattattgc agcttgtggt tacgtgagca tgaactacta   240

ccaatatata gatgttgttt acaccaatga gcacatctta naagcatact ccgcacagtg   300

gtggcctctt gggaatgaag cggcaattcc tccttctgat gaggcatgga cactaatccc   360

tgacccaact acaattc                                                  377
```

<210> 31090
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31090

ttacgaagct ntctgggcct tgcgggcttt tataggagat ttatcaaggg gtatgcttcg 60

atagcttccc cattggtggc agcaaccacg gtggagcctt tccagtggac cgcggcggct 120

cagctcgcat ttgacctctt gaagaaagcc ttgttcgaaa ccccggtact tgccttgccg 180

aatttctagc taccatttac agtcgagacc aatgcttctg gggtgggcat gggtgcaatc 240

ctctcttagc agggccacac aattgcatat tttagcaagc cattttttgcc taagcttcaa 300

cgatcgtcca cttatgtccg agaattgttc gcagtgatgg cggcggtcaa gaaatggtgg 360

caatacctcc tcggtaaccg gttcatca   388

<210> 31091
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31091

tctaatttac tacattcatg caagacttaa ttggtttcct ttnttaacaa attgaacatt   60

ttgtaaagac aagggcttaa ttataattga aaaaagaag attgtgttta attaattaat   120

taccaaaggt gaaggagctg aacattatgc ctaaagaatc agagagctct cggtaactct   180

tgtacatctt caagtccact ttgcgaaggt aaggtgctcc atccatgcta actttgacaa   240

agcttgcatt agggctgctg ttcttctcgc tctcttctcc aacgctcttt tgcacagcca   300

acatgttctt ccggaaggac cgcacaggtg gccaacccac cacctgcgtc ctacacattt   360

caactcatca atatcactct atatattatg atcaattaat acgcatcatg aacatatatg   420

gcaatcatat aacgaagtta aaata   445

<210> 31092
<211> 273
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   31092

ttaatttttt tgctttacct tctcttccat tgnntgttct tcattttttt ctccatgtat   60

ctcctcacat gtcttgtgct aaatgttgtt aacacgattc tatagagttt ccaccgatta   120

aacttgctat agaagctaga attgattntc tatggttcaa atttcttgtt attgttcttg   180

aaccatgaat tgtgttgagt ttaagttgct ttgagttttg tcttggtatt ttttgtggct   240

gaaacctaaa ccataaaatt cttacaaaat att   273

<210>   31093
<211>   334
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31093

tgatgtcatt caaaacacac tatgtagacc taaatgaaga ctaatcattg tttatttaat   60

tggattcatt atacgatata atttgttgta acccgttact aaccaattaa tattatcaac   120

tactcgtttg gttaagcaag gaaattgttg gtccaacaaa aatcatttac gcgtgcagca   180

tacatcattg tcataattga caacacataa tgacatgcat gtgtattaca gtttgagcgt   240

gacaacacat tggctgactt cagtacacat tntgaaacta gcagtcgctc gacaacacat   300

tggttgactt gactacacat tagcgacaac acat   334

<210>   31094
<211>   520
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31094

catgactatg cgatgcaata ctagccannc actcgacccg ngatccttna gtcacctgcn   60

gcatgcaagt ttggcttcat tatggagcag agaaactcca cccagtaacn ggggaccacc   120

ncgacaggaa agctctttac catctcgcac ccgagcctnc agcttatcta tctcctctgt   180

ggagctatcc agggtcctgg tcaactggct aatcctctcg actcgacaag atagagagtc   240

gaacgcttct ctgcttcttt cgatggtggg tcggaactcg taaccgcttg caatgatatc   300

aacagccoct ttcaacaact ctcccgcagc agctccagcg aacggctctg ccatcactac   360

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tcacacacac tgcgaggaat gaaatgaaag ctcacgaata atatgtacta ctcacacgac    420

acaccaaacc gcgcgttttt tcgttgacga tgactacgct atgatctctg agctcgcgta    480

atcanaacat agaaagacac tgtattctct tcgattaccg                          520


<210>       31095
<211>       347
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       31095

tatgcgcata tttccttaca aacgttctct tgcacaagac attctattaa ccgaataaaa     60

tgcacccata tacaatcaag gcagcttcgt tacctagatt atttacacgt acttccaagg    120

tgtatttgtt acttacatca cacacatctc cttggctaaa ttcacataca tgcatactca    180

aagcattntg ggggaccaaa aattgcacat gtgcacatct tggtatttct aatacctata    240

catacacaaa cctcatgatg aatcttgact atctacacaa taaggtgcta catttcatgc    300

tcttttcaag tttttgctac ctaaggccgc atgcaaattc aagtata                  347


<210>       31096
<211>       302
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       31096

tgtctatcgc acttacaatg acaaacatca tctttagcac aaactatgag caccaaccaa     60

gaaatgaata tagcaatgag aaaacctata gaatccaccc ctgtcctgtg tcctatgctg    120

acttgctccc atatctactt gataattcaa tggtagccac aacctctacc aaggttcatc    180

aacctttatt tttccgaaaa tacgactcga acgcaacgtg tgcttgtcac ggagaagccc    240

cggtgtgtac cattgagcat tgtanggctc tgaaatgtaa ggtgccaggc catattgatg    300

ct                                                                   302


<210>       31097
<211>       376
<212>       DNA
<213>       Glycine max
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<223>   unsure at all n locations
<400>   31097

tgcttctaca tgtttttcta tctattacat tcgtagntag aaatattttt gttctataca   60

cacatgacac ctacaccttt gcacacatgt tgagatatta agccctatac ccgggtctgt   120

gtgagacata nggagtggag gttgatctat ggtcatgttg ggtcttcgac ttgcttgata   180

acagtgatgc ctcatctaga gttttcttct ttttgctgat gcattgtcac tggtagatcc   240

taccgccaca atgttgttac ctaagaggat gatatctcta gaagccaatg agttacatga   300

taccaccttg ggagttgcac tagaagggac tttggatcct ttcatangtc ctgaatatga   360

cacatacaac tcactt   376

<210>   31098
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31098

agtttataat tattaatttg acggttctcc acattntgtt tcttgaaatt ggtattcttt   60

ctatgggtga gaaacttgcc ccatttgtat ggcctatatt ttcaagggtt ttgctcattt   120

atcagcttct ccaaaggctt gacctcagtt tcatgcgaaa ggtagaagaa tggaatggag   180

aacctttctt tctcagagtt gaccaccact ctgtgttcca cactctcata tgcatcattg   240

ctccaaacct gcacaaacaa ctccaatcct canataaaaa ttctctccac taattacggg   300

aataaatagt tcataaactc aaagattaga atatgttntt tttaaggtca tcatgacatt   360

ggtgtgaagt atttatactt ttgttagtga ctaatctctc ctgngaagct gggcagacca   420

ctattagt   428

<210>   31099
<211>   403
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31099

tctacttatg tggcagggca ggcttccttc actttcttgt ctccaacgcg agctttgacc   60

```
actgttcttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa   120

accatacttc ccacgatttc cttgggtatc tatcaggcta gttatgccgc cgttgttttt   180

gcctaaaccc atcccgggtt cataaccgtt ccccaacata actcgggcca tcattaccgc   240

tgcatcggac agacaaggct gcccaaagag ggagtccacg gaggaaatgc tgaccacctc   300

anaagactgg aaagcagttt ctaacgattc ttctgcggct tccacataag gcatggagga   360

tgggcagctt accaagatat cttcctcgcc tgacacgatg act                     403
```

```
<210>      31100
<211>      333
<212>      DNA
<213> .    Glycine max

<223>      unsure at all n locations
<400>      31100
```

```
ctaaaaaatc ctatatttct agggtaccct acctatatta tggagcccta aatacaaggc    60

ccaaaaataa tgaaacctta atctaatatt tacaaaagat agtgggctcg tacttagccc   120

atgggcccaa aatctaccct aaggctcata aaaaccctag ggccttctct tgcatctctg   180

gcccaatcta cttggagttt ctatccaatg cccttgcggn gtaagattgc atcattccct   240

cccctagaa  gaggatttga cctcaaatcc cgaggctctt gaactttggg cttttttct    300

cacactatan aagaacaaaa catatgtata gtg                                333
```

```
<210>      31101
<211>      156
<212>      DNA
<213>      Glycine max

<400>      31101
```

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gcagctctat ggtaaatgtt aatgtggtga agggaaattc cggcgtgtta aggtttcagc    60

attgacggcg acgcagagaa gccgtcaacg tcgtccgaga tcgtgttgga acccatcata   120

gacttctcgg gtaccatcac attgccaggg tacaag                             156
```

```
<210>      31102
<211>      322
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
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<400> 31102

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atatagggcc ctctgaataa acttttgcat aaacacttat atgagaagaa agaanaaaaa    60

aagcttctca ttgttaaggt catttgaacc aaaattctca accaacactc ctatngaata   120

aaatcaacgt atgcacttca aattttatac aagatattct tcatgtaact tctccaaatg   180

tagattnnta attatgagaa aaacttaatt atttcatctt attttcttct ataagtactt   240

attgaaaagt ttctccgaac atgacaatca ttaacattaa naactgcatc ctacctaaat   300

ccatntgcta gcaagatcat ta                                            322
```

```
<210>      31103
<211>      364
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      31103
```

```
taagcttacc tggaagccta ggaattaatg cttttatata taccattctc tcatagaatg    60

caaagcatgg aaagagaaag actgagtaga aaagactggg aaagaggcag tagacccctc   120

aaattgttct tccttttttg ccttctcagt attcctcttt aactctaggt gctacagatc   180

tctatttatt gccatactaa accaacaata tggaattaat ctgttttatt tctagtatcc   240

catcaagcac caagtgaaaa aataatacca tcccaacata cagttgtact taccacctac   300

accanagtaa tagaacctac acattaaaaa atattaatag tttaaaggat agtatttttt   360

ttct                                                                364
```

```
<210>      31104
<211>      316
<212>      DNA
<213>      Glycine max

<400>      31104
```

```
ttgagccaaa atcctaactc accataaacc ttgacccatg gtgatatatg tcaatcctta    60

ccctcaggag caaaaaagaa gagaaggaaa atttccaatc aaagaaaaaa aaaagagaag   120

gacaatttgc tatcaaagag aaagcaaata aaaaaaagag agaaggaaaa tttccaatca   180

aaggataaaa gaaaggaaat gaaattccca atcaaagagt gggagatagc gaacagaaaa   240

gaaagaaaac tcccaaccaa agagtgggag aaagtaaaag gaaggaaaga aagctcctga   300
```

tcaaggatcg aaagaa   316

<210>   31105
<211>   414
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31105

agcttatgaa tttctatttg caatgttatc tcccaaatgt gagtagcatc tctactatga   60

taccagttat gaaaacaatg cacgaattct aaaatgcaac acttagcaga aagggtcaat   120

tgtaaagttc atatagcaat tcaattctaa tccatatata acgtattta tatatattca   180

tattccccaa gagtctactt ttcaaatata attttatttt catcaaacgt tatgtgaatc   240

aaacaaagta aaaaactatg tgaagtatgt caaagttgaa aattgaaaac agcatgtgtg   300

cacaaactnt caacaccaaa taatttagaa atgactctaa gagcccatac tcatggagga   360

taacctccca naccanaatn gacattaaag aanatagaaa ctctcaatac cttg   414

<210>   31106
<211>   307
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31106

tggaaaccaa catttaagat atgataagat tgttagttta aggtaatgat tgaaattaaa   60

tttaaaaata tattcgattt tatagttata aaaaatattg taacctacat ttaaatttag   120

actattatca gattgctagt gtaagataat gattgaaatc aaatttaaca atatattaca   180

tttggtagtt ataaaaaata ttgaaaccaa aatttaagat ttanaatata tctattaatt   240

catatgttct aattntttta cgagtatgtt tttagagnaa aaaattcatt taatttattt   300

acaaaat   307

<210>   31107
<211>   167
<212>   DNA
<213>   Glycine max

<400>   31107

actgctccat attactgata atcatgggac ccatacccca ccaaggtatc aacctcattc   60

tccgaaatac actcaacgca cgtgtgcttg cttgacaacc ccgggcgttc attgacattg   120

aaggcctaag cgtaagtcag gtcaattgtg cggctgctga attcaga   167

<210>   31108
<211>   296
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31108

cttatccgga tgcagaatat attccgaaaa gactatctgg atgtaagaat tacctttaaa   60

agttttccaa tataatttac attcaaatat ggaagaagta atgggagttg aatttcccat   120

ttgaatgcga tggctggaag gcttccttta ctgggctgca gtttgcacc gaaggaacca   180

ttgcttactg cacctctaaa ttactaccta cacgccacat cattttaaaa caattaaaat   240

tttcnaaagt naccccgacg tgtccttcgc accccattcc ccgtcccatg gatgct   296

<210>   31109
<211>   462
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31109

agcccanncg ttaggcctta attttgggaa caatcncgng nattggcaaa gaagacatca   60

tatgccaagg gaacaatttc ctcctatcac tggaggtata tacctaggtt aagagcgagg   120

ttgattcata tttctaaaaa tttgagacaa aagttgacct aatacgcttc tacaatcttg   180

tcaagataag ttgcatcgag gatgatgaag tcgtccctat atacttgtaa ggtctcaata   240

actatatata cccccgaaag aaaactactt ctttgacaaa gacggtgttg cactattaga   300

aattacactt tcaacatcgg ttatttaggg cattctacat cggctctaan accgatgttg   360

aaagtgatga tgttgaatgt atcatcgtta acatcggttt ttaaaaaccg atgttaacat   420

anatatgata acatcggttt tctaaataat cgatgtaaac ac   462

<210>   31110
<211>   384

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31110

ctaagcttaa gctgctcaat tgctccaggt tgctgcatgg aagggcaaag gtctgtatgg   60

tggtcagcag aagagtacaa accacanact cttgcgacag gtacagattt cggattcaaa   120

gctagctggg ataccaagtt aaccaatgca tccaagttgc cttcaagctt cttagtctca   180

gatgatgcag ntgagtttgt agctacctca tgcactcctc taatgactat agcatcattt   240

cttgcgctaa actgctgnga gttggaagcc atcttctcaa ttaaatttct ggcttcagta   300

ggagtcatgt ctncaagggc tccaccactt gcagcatcta tcatacttct ctccatatta   360

ctgagtcctt cataaaaata ttgg   384

<210>   31111
<211>   167
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31111

agctangcac ttaggatgga atgatattng nagctaatga acaactttct taactatttg   60

tccttcagaa tttactgttt ctttntgcta atatgtaaat ataaattgta taaggctatg   120

gtgtaaaaac atggtctacc agctcaatat ctatggttta tgcttct   167

<210>   31112
<211>   403
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31112

ccttgggcaa tccttaccat acaagacaat tttgtggtgt tgagttagac cctaaacccg   60

aaatctaaga tggtattaga gcctatccta gatacattgt tggggcacca acattgccac   120

gctccaggcc catagcccta ggcattaggg ggtgtgttgg acagcttcct taattgcagt   180

cactgctaac ctgctntaat tgcagcagca tatgagagtt ggttgccaat gtctcagaan   240

aggctaccta tgaagggact gaccagaacg gctgagtgaa gcgtcgtagt gtgcaatcaa   300

tgagtctgaa acatcaactc ttaggggggtt gagatcccac attaactaga gataaggcct   360

tagtattgct tataaagttt gggcaattct caccatacaa ttc   403

<210>   31113
<211>   281
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31113

tatcatctcc ctcttcatca tttggggcgc tacttgagct gccagatccc tccatctttg   60

ggtgtattct ttgaaagatt catgctccat cttgcacatg ttttgcagct ggattctatt   120

cggagccata tcagaattgt actgatactg cctaatgaag gcaaccatta ngtcctttcc   180

gagaattgac tcatgaaggt tccagattag tataccagct gacggtttcc ccagaaagac   240

tgtcctggaa gaagtacatn ncacaatttt cattttttcga g   281

<210>   31114
<211>   251
<212>   DNA
<213>   Glycine max

<400>   31114

ctgatggcta tgagaagaaa tcacatgttt gtcatcatca aaaggggga gaatgtgaat   60

gtatgtatac atgattttga tgatgtcaaa agaagaatca aacaaggctc attttgcttc   120

aagattaata ccagattgtt tcaacaaaca aagccttgat tcaagaattc ttcaagatca   180

agccttgctt cacaatgaaa ggtttcaagt cattcaaggc acatgtaatc gattaccaat   240

acatgtaatc g   251

<210>   31115
<211>   257
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31115

tggatccata gtctccacgc cacatctgta aatgaaggan tccaccctag ccaatgagat   60

tgcgaccatc aaggctgatc aaaagcaagc acaataatgc tatgctgaga gccttgaagt   120

aacaccctat ccttccacta gggagctggc caagcctcac cctacagcga gtgaaggtac   180

tcaagtcatg aacaaagggc ttacaatccg agccttcatt gtttaccaaa caagcctgga   240

cgatgaattt gatatag   257

<210>   31116
<211>   386
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31116

accataagag ccttagatat tngttngatc aaaaagagct taacatgagg cagaggagat   60

ggttagagtt cctttaagat tacgattttg agcttagcta tcatccaggt aaagccaatg   120

tagtagctga tgccttaagt agaanatccc ttcaaatgtc tgctttgatg gttagagact   180

tggatctctt anagcagttt agagacatga gtttggcatg tgagatcacc tctaatagca   240

ttaagttggg tatgttgaga gtcaccagcg aactcttgag cgagattcgc gagggtcaga   300

agtctgaccc attcttgtca actcagttag agtccatagt cgcanggaga gagagtattt   360

ttagagtggc tactgatgga gtcttg   386

<210>   31117
<211>   344
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31117

tgtccatcaa acaactagga acagtatgga gtctaatcaa tcaattcata tttcattntt   60

gcttatccac tttggacttt tctttntgtg gcctttagga gggaaatgca gaaaggattt   120

tcctgtgcac tagtgaagaa agaagcatat tctcaactca actacccaac aaaagggata   180

agagactgtc cgttgagact tgagaaggtt ctttctattg cattnttcct accctgaatt   240

nttctatgat taccacgtta cctttgcctc tttgaagagc ccaagcctgg agagggaaaa   300

tgtcatttaa cttaacccat gccttacatg atangtcaca aaat   344

<210>   31118
<211>   452
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   31118

ctttctattt aatatagngc ngctactggc cttaggtgag gtaatttatt gaaaacacag   60

gtctatcaaa tntatgttta attggatgat atatatatat atatatatat atatatatat   120

atatacatat atatatatac atatatatat atatatatat acatatatct atatatatat   180

atatacacac acacacacac aacctttcat tttcacatat atacacccac agacactctc   240

tctcgcagac atatatctct tctgtctctg acacagtgtc tctctcaaac aatacacact   300

tctctcgcga gcatccttga gcaactcacc cggcgcatgg agcgcatgaa caaactaata   360

tacgcactgc acacacatta tcatcccacc gtgatacccc gccactacct tgtgagggat   420

cttctctcac tcaacagaca ctgaatacac cg   452

<210>   31119
<211>   389
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31119

tgctgatggt ggtgttgaac tttntacttt tgtttatcat agtaataata tggggatgg   60

ggcacttgca tagattatcg atttgatatg agttattatc tacaaaagag agttctcttt   120

agtcttgggg ttgtggtggg gacattgctt tgcaatatgc atattcgcag ctgtggttgt   180

gtaatagtaa tagcattttt taaagcatct ttaatagcat ttttgtgtaa tagtaatagt   240

ttagtttta aaataaagta ataatcctta gaaaacattn tctattatcg taataaactt   300

ttggtagttt atttaaaatt aaatntatca ttntttacca tgatattatt acatcgatgt   360

ttataaagac cacattatgt atgaatgga   389

<210>   31120
<211>   406
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31120

nttgttttca atgacgagcg tctcgaaatc ctacgggaca ctattggaca tccgagtgaa   60

12972

aagttattgt cgtttgaatt tgtttagagc ttatgttttc aattacgagc gttttgatat 120

cccacgggac acaatcggaa atccgagtta aaagttattg tcgttagaat tttctcatag 180

cttccgtttt caattacgag cgtctcgata tcctacggga cacaatcgaa catccgagtc 240

aaaagttatt gtcgtttgaa tttgctcaga gcttcagttt tcaattacga gcgtctggat 300

atattacaag actcaatcag acatccgagt taaaagttat tgtcgttnga ctnttcatag 360

agcttctgtt ntcaattaga gcgtcttcat atattacgag actata 406

<210>   31121
<211>   243
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31121

tgcattcgga attgcgaaag ccatgctcnc tcattangat tcgttcctgc catctcaaat 60

aagcaaatca aacataataa gacaattata gtttctgttt gaatacctca cccactcaag 120

tgtatcacac aattatggct tttctctaat gaaacactct tgccttttac cactctaatt 180

cccccttgagt tcttaagcaa ttcaagagat tatgtgccac aacaaagaac aattcaccaa 240

aat 243

<210>   31122
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31122

ttatcatttt actanattca aattgncata acatttcact cagatgtctg attcggagac 60

ataatatatc gatatgctag aaattgaaca acggatgccc tcgggaaatt tgaatggtca 120

taacgtttca caccgatgtc cgattcgggg acataatata tcgagatgct cgaaattgaa 180

cagcggaagc tgtccagaaa ttcgaatggt cctaactttt cacacagaag accgattcgg 240

ggacataata tatcgagacg ctcgaaattg aacaacggaa gctctcgaca aagtcgaatg 300

gtcataactt ttcacacgat gtccgattcg cagacataac tcatctaaac gctccaaatt 360

gaacaacgga agcaatcgac aaatttgaat ggaataaca 399

12973

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<210>      31123
<211>      400
<212>      DNA
<213>      Glycine max

<400>      31123

tgagatcttt agctcattct aaggcttatg agttattttc gagatattga gtattctctt    60

gatgtatatg gaggagaaca caagctagtt atttatagag aaaataatta taatcgtctt   120

taatcaatta aatctacaaa gtaattgatt aattcaacga agtaatcaat tagattatct   180

ttttaatcga ttaaagtatt cttaccaaca tctggacata actcaagaac aatgtaattg   240

attaaatact ccaagtaatc gattaaagtg ttcttattca cttctgaaca cctaagcgag   300

agagacgtaa tcgattaaat cacttggtaa tcgattaaag tagagactcc tgataaatca   360

gccactgtct caaacaatgg gtaatcaatt acgagatatc                         400


<210>      31124
<211>      525
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      31124

cgattgtatg tanntcaatc gcancaccac ggacccggga ncctctaagn caccagcggc    60

atgcagcnnc gangtangca ttagttgtag gagaacggag ggaggngaag cnaannnngg   120

gagcgcacaa ncaggaacng gccangncan nagnnnggaa accatangcg ggacgaaaga   180

ctaaagcnga aaaaacactt anggcngaca cgacgaagnc catggagaag ctaagaaaca   240

ttctgctaac tctgaaggaa cacaatgtca atagttatac gaccattaaa cagatataca   300

atgcacgaag tgcatttcgt tcgttcataa gaggaagcga tcttganatg caacatctga   360

tgaagcttct tgaacgtgat cagtatattc attggcacag aatanaggat ggagacgtgg   420

ttcgtgatat ctttttggtgt caccctgatg cagtgaatgt agtcaacgca tggtattcgg   480

tattttgata gacaacacct acnaaacaga cctgtacaga ctccg                   525


<210>      31125
<211>      306
<212>      DNA
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<213>   Glycine max

<223>   unsure at all n locations
<400>   31125

ntgaccattc gaatttcgag agtgcttccg ttgttcaagt tcgagcgtgt cgatatttta   60

tgtccacgaa tcagacatcc gagtgaaatg ttatgaccat tcgaatntgt cgagagcttc   120

cgttgttcaa tttcgagcgt ctcgatatat tatgtccccg aatcgaacat ctaagtgaaa   180

tgttatcacc attcgaattt ctcgatagct tctgttgttc aatttcgagc gtctagatga   240

gttatgtacc cgattcgaac atccgagtga aatggtatga ccattcgaat ttctcgagag   300

cttccg   306

<210>   31126
<211>   411
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31126

agcnngnnca ttttctttat cccatnngaa ctntnnggnc tttntcagta agttcatgat   60

cggcctagcc ttctcagcta tccaaggtag aaatcttatc aaagaggcta tgcgtcctgt   120

gagtctttgt atctctttga aagtcttcgg actcctcatc tcaatgacga cttgacattt   180

atctagatta gcttgtatgc ctctttggga aagcataaaa ccaaaaaatt ntcctcctcc   240

aatcccaaga acacattttt agaggttaag tcgtatgtat gtttttggat ttgtgaaatg   300

atctcggcta ggtcctcaac atgggacttg actccatngg atntgaccac tatctcatca   360

acgtacacct ctatatttct acgaatnnta tctttgaaga tcttatccat g   411

<210>   31127
<211>   337
<212>   DNA
<213>   Glycine max

<400>   31127

tcttcaagaa aagattattc ttggtcttat atgattctat gaagataacc tacaactaaa   60

aatggtttct gacatggttc tgtaaagatg aaatttttga aaatggacaa gcaatgacta   120

tcgaacacga aagtaaatct ctgctttact ttttttattt gttatttgct tatttatttc   180

tcaatttaga aataactcaa tggacaaaat aatttataaa aataacatat tagccaatga 240

cctacattca atttaaataa atggtcatga ttctttactg tcagtgactt ataacccaag 300

ttaacaaaag ggtctattga cataatactt gtagttt 337

<210>   31128
<211>   456
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31128

agctncgata ttagctgttc cattttanca anaaacacaa gnggaagttt attcagaana   60

ttagagctta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120

gaacaccctg gctgtatcaa aggactttca caacctttga gtgttgccct cgctggaaag 180

agtgattctt tccttcctat catctccacc cttgttcttt caaaccacaa ttccagaaaa 240

tccacctctg cccataatta tctcgtggcc ataactccca ttntatgcac tcaaattaag 300

tgattcttga gcctaaattg actntcanaa cgagaccttt cacctcgntc tgaaatcacc 360

tcattnggag ccctgtagct tcagttattg ccatgtctat atttctgtcc agccaccact 420

taacctacat gttaccatcc cattcatcca ttttat 456

<210>   31129
<211>   353
<212>   DNA
<213>   Glycine max

<400>   31129

gcttatgaat ccatcatact cttttccaca ttatctataa gttcctcttt caaacccatt   60

ccgaaacaca ccagtatagt agacgcggag ttttatttga gcaactgcgt cttttacaag 120

ctcccgttgc ttcctgtgtt agaaaactaa ctttaagagt attcaccaaa aaaaaaaata 180

aacaaacttt aagagtcata agttgcttat ggaaatatac atcctgtttt agccgttaaa 240

aatacatgct tcgacggatc aataaattta atggtaaagc accacaattc tgtgattgat 300

gtggtctttt ttacgcagca agaataaaag taccttaacc attaaatcag att 353

<210>   31130
<211>   399

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31130

agctnctant tttnngtttc anaacttnng nnnntctgca agnnggaaat tctgcagaaa   60

acaaaatgtt ggatcaagtg gnctcagaat aattaagaaa ggggggttga attaattatt   120

aatgtgtcct tactaattaa aaatttaacc ttcttaatgt tactagattc aattangctt   180

ttactactaa gttaagaaag taaagaacag aaataaaaac ttaaccaaaa gtaaaagcga   240

taattaaaag tacatagcag aaattaaaga gtgtanggaa gaagaagaca aacacaagaa   300

ttatactggt tcggccacaa accgtgccta catccaatcc ncaagcaacc tgctgttctt   360

gagaattctt ttaaccttgt anaatccttt acaagccaa   399

<210>   31131
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31131

tgacaaacaa agctaatcga agcaagcaag aaataaaatc aattattggc acaaaatcaa   60

ttgtgcaaaa ggcatttgaa atggtaacat cttttaatat tttatattca ttntcttata   120

agttatataa taataactca tttttttatt ntgttatttt ttatatgata tatgaaagtt   180

tggtgaaatt tatataaaga catcatacat tagattatat tatttaattt gtcttttact   240

atatttaatt ntaatagaaa gaagattcaa aatctggtga atggccagat gctatggaaa   300

gttggaaggt cacgcacatg agatctaatg gaacttggtg cattccaaaa ggagaagaaa   360

tcatggtaaa gaaaaaattc atttaaagtc ttgatgtcaa tattagaatt aaagacatta   420

atggtattat gatatcatat ct   442

<210>   31132
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31132

agcttgagca tantaagtta ctcccgcatt ntatctctag catgcattgt atgttggtct   60

cgtcctttgt cacgggaagc cggaaggtcc atatcacctt cttaattgta cacatggggc   120

actgcgcccc caaatgcgca agtaagaaga gataattttc cgagctctcg tgtccgtaaa   180

atgcattcat atcatgcatc gcataagcat ctcttcataa catcataatg gacatatcct   240

gcatttgtcc gttatcatat tccggcctca cattttgcat gagtcatggc atcatcatgc   300

atatgcgttc aacaaacttt ntgatctgca aaattgcata ccatttgttt tcatgtttgc   360

tcatccttgc gttntcctct acaaaacana nacaaaaaag ggggaagcgt gaaacttcac   420

actacattct tagttcca   438

<210>   31133
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31133

nttcgcanag cttacggtaa aatctgggac ttagctatgg tagaagtctc cacagaggtc   60

attgcctccc ttgcccagta ttatgatcag ccgttgaggt gcttcacctt tggggacttc   120

cagctatcac ctatggtaga agaatttgaa gagatcctag gatgccctct aggggggaagg   180

aaaccatacc tcttctcagg gttctatccc tcattagcta gaatttccaa gatagtccaa   240

atctcggcgc aggaattaga ccacaggaag caagtcgaaa attgggtggt tggaatactg   300

agaaaatatt tggaggcaaa agcaagaatc tcggcaggta aaggcgagtg ggccccattc   360

atagatattc tcgcattgtt gatc   384

<210>   31134
<211>   221
<212>   DNA
<213>   Glycine max

<400>   31134

atctactggc ttagcgagcc atcccgttag cgcaacactg ctgggcttag cgccaggaag   60

actctggaag aagatgagct gtacaggttc gctaaacgca ccggttcatc tcactaagcg   120

caccacttca gttaatccgc taagcgagaa aggcacgcta agcccaacat cactaacgtg   180

tgctaagcgg tccatacgtg cgctaagcgc atgagcacga a   221

12978

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<210>      31135
<211>      262
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      31135

ggtacctgga gatatgtcgc gggggtcaag agaccttggg gacgtcaggt ggggtgctat      60

tgcccaaaac caagcttgac caatcccaac ccaacccggg catagtcagt caatgagaac     120

ctatgatgta cctaaacagg cgagctcctg gcagtcaact gataaaagga acaaagaacc     180

acanagcagg agacttgtgt ggtggctggc cagctgtgaa ctatgattga tatatgggat     240

atgggctctg gtaatcgatt ac                                             262


<210>      31136
<211>      248
<212>      DNA
<213>      Glycine max

<400>      31136

tacccagctg gccttgaatc agatatccgt gcctatcgca aaggtttgtg ggttgtgctc      60

ctttggtgac caccatacag acctttgccc ttccatgcag caacctggag caattgagca     120

gcctgaaact tatgctgcaa atatttacaa taaacctcct caacctcatc agcaaaatca     180

accatagcag aacaattatg acctcttcag caacagatat aaccctggat ggaggaatca     240

ccctaacc                                                             248


<210>      31137
<211>      328
<212>      DNA
<213>      Glycine max

<400>      31137

tgccacccag ctcgcccagg cgagcaaggt tgcttcctcc agaagcaaca gccttctgga      60

ggaatcttct ggagggccca agtgggcctg gttgctattt gcacccctat ttttactaaa     120

tacacccct gcctttttttt tggtgattct tttttcgtaa agttacggaa acttatgaat     180

ttcgtaacga tacttgtttt ctttccgtaa tgttacggaa ccttgcggat tacataatca     240
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tcccttttttt gacttacgga atgttacgga acctcactaa ttgtgcaacg atgcttcctt   300

ttgatttccg gtgtgtcacg gaacctta   328

agctttacaa ttttgtttta aatccaagcc cataaataat ataaaatcta gataagataa   60

gataagatct agatgaaata atatctagat gagatcaaat ctagataaga taagataaga   120

taagatctag atgaaataat atctagatga gatcaaatct aaataatatc tagatgagat   180

aaaatctaga taagataaga tctgatagaa taaaattgtc tgctcttttc aagtccaagc   240

ccaattccgg attcaagccc aattgcttat aattctcctg aaattaaatc anaaacacaa   300

aattagtcca gtaggtccaa ttgataaaac tgcatattan attgacaatt aagcctaatc   360

agtaattaaa atgatgacaa aaagggttaa gaaatatgag aaaatgatga cacatcanat   420

cccctcacac tta   433

tatagcttac tgattatcca caaaaagctt cactgcatca ctatccttga ttcttaattc   60

ttgtaataat gtgtccaacg agacagctag gcaagcactc attgtagctg gaacatactt   120

agcttcacat gttgataaag ccactatgga ttgcttctta gaactccatg atattggtgt   180

tgcaccatac atgaatatgt aacctataga actctttctg tcatctctgt ctcctcccca   240

atccgcatca atatatccca ctaattcctc tgagctgatg ctgtctatat ttgg   294

<400> 31140

gtttaaattg cgtttaatct tanagtttga cgtgctgatc agttttttttt ttttccggag   60

ttaagaatac gggtgtcttc caaatacaca tatttaaaaa gaatattta ttaaatacac   120

taacgaaaat tatattttaa caaattataa tttgaatata ttttaaaacc attcaaagcg   180

ctcgacagta attgctcgag aaccttcatg ggccatcaag aaacctcatt gggaaatcga   240

tgttaccctt gatagcaaga aagtgaagaa actaatttct tttagaattt tttatttatt   300

gaaaaccata caaaccacat tacccgcttc ctttctaagt agcatacgtg aagcaccgtg   360

tgccacataa ctctggngtc tctactcact ctcttgtgcc tttgagttaa atcaattctc   420

acttttagtt cctttcnnca ataattat   448

<210> 31141
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31141

tatataatga tgattatagg tggttgtttg atgccagata catctggtgc aagagttcat   60

tttatgtatc ttcttttatt atcaaattta actgaggcaa gtcattatag ttagggtgta   120

gcagtattag catcccttttt ttgagctcta gatcgggcta taaagccaga ccaaacagaa   180

atcggtggat gtttgttgtt gctacagtca tgagcgtggg accgaattga atgtattacc   240

ccaaagatag atcacctatc catggaagaa gcacaagaag gactcanatt tcctcttgca   300

cgaaggtggt ctcgtccaag gaccggacca aatattccca ccaattcagt gagattgata   360

cgcatcatat ttgataaact acatattaat gagggtcatt nnttaatttc atgaataact   420

a   421

<210> 31142
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31142

attttctcaa ggaaacctgg attacctttt ctttctcggg ctcttcagca ttgctcaaag   60

```
aaccttctga tactttcccc ttttgtgatt gtaacataac catcntctac aattaacctg    120

caatgtacac actgttgacc cttcaacgaa tgagctntaa cagaaagttc agtacagcgt    180

ccatctaatc tccaagctcg gagggtaaca aaacatgcac tcanaccacc aagatccang    240

ccactggctc gaacacatnc attcaatcca aca                                273


<210>       31143
<211>       330
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       31143

ttagctttga ncttatcagn caagtgtatg gaccatgtcg tagccaaagt gctcatcggt     60

aatggttcca agttaaacgt gatgcctaag agcactttgg agaaattacc attcaatgct    120

tcccacttaa agccgagttc aatggtggtt cgtgcctttg acggcacccg ccgagaggta    180

ggggagagat cgatctccca gtacagatag gccctcacac ctgtcaagtc accttccana    240

taatggatat taacccccccc ctacagctgt ctgttggggc gcccgtggat ccactcagtg    300

ggagttgttc cctcaacact ccaccaaaag                                     330


<210>       31144
<211>       375
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       31144

tgccaagaca atgcacacgt tctctntttt catgtccttt gacttttgaa tatatatcat     60

ttgtctaatt agtagaatct tgggtgctnt gtaaattttg cgaactctct gcttcaacca    120

ttttcttttt tagttcatcc tacataaata catcttataa attattatca tacatcaata    180

tcctgaatac ttcaatatca ctaaacaaaa ctcatctcca tattagttac tccccctcac    240

cccataacct tctattagag aattgagcac aacaaagaaa aagtattgaa ataaaaatta    300

caattcttac aattacaata gcagcctttt cagtaacaat gctttcatct tttcgagttc    360

gagtgtcaat ataaa                                                     375


<210>       31145
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<211>	461
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	31145

caagcttgat cttttattct atatctgaca gccaatgggt gagtcccgtc caggtagtcc	60

cgaagaanac cggcctcatc atgataaaaa atgagaagga ggagctgatt cctattcggg	120

tgcagaacag gtagagagtc tgcattgact ataggaggtt gaaccaggtc accaaaaagg	180

accattttcc cctgccattc attgaccaga tgcttgaatg cctggcaggt aaatctcact	240

actgtttcct tgatggttnt tctggctata tgcaaatcac tattactcct gaggatcacg	300

acaacaccac attcaccagc cccttcggaa ctttggccta tagaaggatg cctttcggcc	360

tgtgcaatgc ccctggtacc ttcaagcgga gcatgattag tattttcagt gattttgtag	420

acnattcata gaggtgttat ggatgatntc actgatatgt g	461

<210>	31146
<211>	417
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	31146

tgtcgacctt gctctagcct ctggagaaat ttttgaagga gaatgtttca agtacataaa	60

ggaatgttnt gaaaatggca cattgcatct cattgggcta ctgagtgatg gtggagttca	120

ctccagactt gatcagttgc aggtgattat ttggggttgg agctgttttt ccttcatgtg	180

tattcagttt attctttcta actaactact tttgtacagt tgttgcttaa aggagttagt	240

gagcgaggtg ttaaaagagt ccgtgtccat attcttacag atggccgtga tgttctggat	300

ggctcaagtg tggggtttgt ggaaaccctt tgaaaatgat cttgcaaact cgcgcgcana	360

aggtgtcgat gctaggatag catcacgtgg aggtcgtatg aatgtcacaa tggatcg	417

<210>	31147
<211>	429
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	31147

agcttgacat ttatctggtt cgcatngngn agcagattga tagcgtgatc tgtggatcga   60

gatggcggaa ggtttgtaag tggttgaaac aggcatgagt atttcgtaag taactcagaa   120

atctcgggta agatgggtgg tgttgtagct gattgtgtgt ttgtttccac tctaatatgg   180

aagaaggtgc tagaggggct cctatgtaga agacgacgca gttgcgaggg agacacgggt   240

tcacctattt gctcacgttc cccctgtaac tccacaagct taccctcagt gatgaatttc   300

atggatggag acgtgtagtc tgtcagaacc ggtcctaatg ttntgagcca ttcgactccc   360

agaactacat ctgtgccaca taagggtagg atgtgaaagt ccaccatgaa cgtatgctcc   420

tgcacctgt   429

<210>   31148
<211>   243
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31148

aaacccgaaa agacctgatc tacgaattct ttgtgaaagg ttcgaagagt gtatttacgc   60

acagggaaag tattagcacc ccacgcgtcc gtcacaagag acgacaacct ttaatcaaat   120

gtgcaaatat gacatcnaat tatattcntt tcccttttta cggtcttaat gtctttttat   180

gcctttnnta tgttttatct ttttgtggtc dacaagggtg tttccctttg cttctacgta   240

ttc   243

<210>   31149
<211>   464
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31149

agcttggaga ttatgcttct atgtatgana agaaagaggg agagaaagag agaggnggga   60

gcacgacatc gaaggaagaa naagggagag aagntgaact ttgagttgtg tctcacaaga   120

ctctcattca tcaaagttac acatgcttct atttatagac taggtagctt cctttagaag   180

ctgtcttgag aaaacttcct tgagaagctt ctttgagaaa acttccttga gaagctagag   240

cttagctaca catacccctc tcataactaa gctcacgtac ttgagaagct tccttaagaa   300

gattcctaaa gaagctaaag cttagctaca cacacctctc taatagctaa gttcacctcc 360

ttgagatgag aagctagagc ttagctacac acccnctata atagctaagc tcacccncat 420

gacannaaaa catgaanata caaaanaaaa aagtccttac taca 464

<210>   31150
<211>   398
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31150

tgagactnta agcagtgcct gtgattagaa tttcattnta atactttgga gtacgaaaat   60

tcaaaaactt tataaaaaaa aaaaaaaaaa aaaaagtagc atgcagtgct acaacaaaag 120

cacaggcaca tatgggaaaa taaatgaagt gacgtacaat taagtccttg aaagaaagaa 180

agaaagaaaa aaaaactagt ggaagctcaa taatggagga agagaaagtg tggagcagag 240

aaagaaacag aggtgtgtgt ggcttcttgt ggagaaggaa gaagaggaag gaggagcagg 300

tcaatgtcaa tgtgattnta taaagctaga aaatgaatat aatacaataa ttccttacgt 360

aagagttttt aaatgtatat tggcattaat atacttga 398

<210>   31151
<211>   453
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31151

agcttgagga ttatggtgta cctatcacat gtggtactag gtggcggtcg ggcgatggtg   60

cacaacaagt tttccacatc cacaatgcgc gcataaaccc accatcccct gttgcccacc 120

tccaactgag ctcacgtact cccacgtagc ccatatcctc gtttctctca acaccgggtc 180

cccatcaatc ctcccaagct tccccaacat caaagtaata caacattcaa acagcacana 240

ctatcacagc caagaaaaca gagcanaggc agannactct gccaaaacac caaccanaat 300

cacagctttt ctcacttaaa gaccccagta acaattcctt cgttccaatt cgttaaccgt 360

tggatcgaac tccaaatttt actggaagtc tctagtacat aagcctacat tntgaaccgt 420

gggatctact agcanacatc cagaactcat tct 453

```
<210>        31152
<211>        186
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        31152

gcatctgtgc ggtatttcac accgcatatg gtgcactctc agtacaatct gctctgatgc    60

cgcatagtta agccagcccc gacacccgcc aacacccgct gacgcgaacc ccttgcggnn   120

cgatngaata taacttcnnn atatgcatgc tatacgaacg cattaccgat gagccctgac   180

ttcccg                                                               186


<210>        31153
<211>        443
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        31153

agctaggctt ttgctattgc tgaagagacc agnattcaga ctttgctttg tgaattacag    60

gtcacacaca ctacacccgt gtttttgtg acaacatgag cacagttgcc ttagctcaca    120

acccagttct gcattccaga accaagcaca tggacctgga cttgtctttt gtcggagaaa   180

aagttctgga gaagagaatt caagtggttc atgttcctac tattgaatat tgatcaatat   240

gcagacattc actaaatctc ttaccccatc taattntact ctgtttaggg acaagctcag   300

agtggtaaca aagattttgt caacccctca agagcttgcc aggggtatta gagtagaaga   360

gtagaattac tcctttcttt tatttcagtc tagcatagtt agcctttata gnntaactca   420

actagtgaca gttgtaataa cag                                           443


<210>        31154
<211>        441
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        31154

tgtttacacc taaatacaat catggtattn atactataaa ttaagattat attctaacat    60
```

```
tggaaaattt ttacataatt atctaatcat aattggaaaa tttttacata attatctaat    120

cataattgga aaaattctac ataattatct agtcataatt cattatatat agcataaatt    180

ttttgacttt taaaataatt taaacagtta tttaattata taattaaatg ataatataaa    240

aatatttcac attgtatcag cattaacctc ctgcttccgg cttttgtgta caacatggag    300

tctttaattt tccatcgatt atgcggctga tactttgcca cacataaatg tataagaaat    360

atctttcaga tgttgactag tagttgattc attattttac gggtccagat tattctgaac    420

atccattcca ctggtgcaat g                                              441
```

<210>   31155
<211>   276
<212>   DNA
<213>   Glycine max

<400>   31155

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acaacgagat gatgcgctcc atgagagggt ggatcaaatg gagaatagag atcataatga     60

agaagaaagg aggagaagag ggaatgatgg tgttcctaga caaaaccgaa ttgatggtat    120

taaactcaac attcctccat ttaaaggaaa gaatgatccg gaggcctact tggagaggga    180

gatgaaaata gagcatgttt tctcatgcaa caactatgag gaggaccaaa aggtgaagct    240

tgccgccacg gagttttccg actatgctct tgtgtg                             276
```

<210>   31156
<211>   290
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31156

```
attgagtttt ctatgccatc ccttaatgaa atatttatga tgtcggtaaa gaaatgttcg     60

atcggcgtca tgcggtgatg cttctttttt agacctcgat cggtcatctt tcttggcgga    120

cgtcgactgg cacttttttc aatcaatatc ggtagaaaat attttttttgc cgagatgggc    180

taattgtttc gtggtcgaat aaatggaaac atgccagttt tggccgacac aaaaacgtgg    240

ttgggctcgc acanaaaaac ctagccgacc tacattgtac attttttatg                290
```

<210>   31157
<211>   536
```

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31157

```
nggcaccgtg gatgatgcan tttgcaatac nggcgaangc agctcggacc cgggatactc    60

tacagtcgac tgcaggctgc aggttgatgg tantggtgag agacaanggc atggacatgg   120

cgaaactaag tgagctccgc caattgcaca ctcactgcag acttcacgaa cctanagtgc   180

cactccagaa caagactcac gtatacttgt ggtgcttacc tatctaccct agtgcacagn   240

caaccacatt gtggatcctt tgcaacggta tcacttaaac aacattggaa tggtgtatga   300

agacacttga tgataatcaa ctgatttaac tggaacctag tgtaaaacta tgcacaccat   360

taactaatat aagttatcta tgcgatggct gataagataa tcagctataa cggctcaaat   420

ctatatactg tatatatata tactatatac atatgaccgg ctaatnttgg gtgataatgt   480

gtangacaac atggacatgg taattcacgt gcggatctct cacactcagt tatacn       536
```

<210> 31158
<211> 529
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31158

```
cacacacacc acttttntaa attatctgtg actaatatct acataatcct acaantaann    60

nnaaaagccg atgagcatgt gaaccatgga tnacacaact aagataccta acccgacaat   120

aagagacagt caagacgtgt atttttcacc aactatatgc acacgcatag gattacaaga   180

gcacaacatt aaaaactaca tcatgggaca caaaaatgcg acatcacaca ctgaagtacc   240

tttacattcc agccaaaact aactacctgc atgaaaagaa gagtacgaca cgcacaagga   300

gcacccccat cattgcagga aaacgacggc gaaacacaca ctgagctatg atacacctgg   360

ggagatgaga gcacgagaga aacaacagat aactcactaa gttatgatgt gagggaacaa   420

tactcagcat attacaagat gtcaaaacag agagagcaag gatatgactc cctctacccg   480

aaaatatggc gggcaaaagg ccataggcct actcacaacc gacaccccc               529
```

<210> 31159
<211> 439

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31159

```
agcttgngtg tcntgtttat aacttcacaa gagatatttg aaaaaggtat tacaaccatt    60

tctctatctc tttctcttat ttntatatcc ttatgttttc atatgataag aagaanaata   120

aattgaatta agaaaaaaaa ttgatcataa tgatttatcc ctttaggtat aatacaatac   180

caaaattgaa atatttatag catattaggt ctacaatttt tattcttaca atcttaaaaa   240

ataatcattc tcattatgta tgtcttccta gatccaatat gcaataaata tatcaatttt   300

agccttccac catatctaaa ggaataaacc atntaataat aatgactatg caattatatg   360

tgaatgataa aattagtttg tgggtacata atcacttata naaatcatac anttttatat   420

tttaatttaa cctataaat                                                 439
```

<210>   31160
<211>   376
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31160

```
tccattntcc tttctacttt gaatgagtaa ttcttaagtt tcatacatca tcaggtccat    60

ccttatattt ttttttcctt ctaattatta aataaaaata ttgttttctt gaagtctctt   120

ccttccatgt aataatgaaa ccgtaagatg accaaattaa ttntacttgc tagttatttg   180

aagaaccaac gtcgcacgcc aaaagtcaaa acctacaacc catctgtcat cccgattcat   240

tactctcggg attacttcag ggtcatttca ttgttatctc ttcttccttt tcacaccctc   300

atttaagatt taaaacacct aanataccct tctttctctt taagaattaa aatcttctct   360

cctactcatg tccatg                                                    376
```

<210>   31161
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31161

gctttcatct agtgtttatc agagcacaag agcttcaagt aggtgctcct tanacctcca   60

ttaattnttt tctttacctt ctcttccatt gttgtttctt cattttttctc catgtatctc   120

ctcacatgtc ttgtgctaaa ttttgttaac atgattcttt agagtttcca ccgattaaac   180

ttgctataga agctagattt gattntctat tgttcaaatt tcttgttctt gttcttgaac   240

catgaattgt gttgactnta ngttcctttg agttttgtct tgttattttt tgtggctgat   300.

acctaaacca tanaattctt acaaaaatat taaattagaa gaaaacctan aaaatctaga   360

gtgacttgtt cacctattgt agttntgtca tagaagtcat gtctagtcat gaaacttgtc   420

acataagatt tctta   435

<210>   31162
<211>   314
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31162

tgttgccatt gaactcatgt gctacaacca agccatgttt gggtttgcac cctatggtcc   60

ttattggcgc caactaaaaa agattgtaaa cttagaaatc ctctccaatc gccgagtaga   120

gcaactacag cacgttcatg tctcagaagt tcaaagttca atcaaagagc tcttcaatgt   180

ttggtcaagc aaaaagaatg agtctggcta tgcgttggtg gagttgaatc aatggttntc   240

tcatttgaca ttcaacacgg ttcttcgagt ggtcgttgga aagcgacttt tcngtgctac   300

aactatgaat gatg   314

<210>   31163
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31163

agcttgagct aaatttgact accatnacct tgaccaggtg agaatgccaa tcttccctcg   60

gaagcaaaaa aaaaaaaaga agagaggaaa atttccaatc aaaggaaaaa ggagaaagaa   120

aatttccaat caaagaggaa gcaaaaaaag gagagaagga nnaatttcaa tcaaaggaaa   180

aaagagagga aaggaaattc ccaatcaaag agtgggagaa agcaaaaaga aaagaaagaa   240

```
aaattcccaa tcaaagaatg ggagaaagaa aaaaagaaga aagctcctgg tcaaagaaac    300

cagaagatat gtgccgagag gtccttggac cagacgatat ccgaacaata cagaattgtc    360

accaaatgaa caaaagaaag aaagggaaac catgacctan aagtggtctt ctccctttat    420

taccaaccaa aatcctgtgt gct                                           443


<210>      31164
<211>      300
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      31164

gtgaagtgaa gaatatttat tactgagaaa cttaagtgtt cattatagtg gaatcttctt     60

tcctaataat ttttttttct ataacgctgt atcttagtta aatgatcaaa gtttaattct    120

acttcaacta atctaaatgt ggtaataacg tccttttggc tgcatgcctt gttatatagg    180

gggaaactat ctaanatgaa acttaatctt attanggagg tattttcagc anaatccaaa    240

ctcatttcta ctttatctta ttgcttatgt tncagggcac accactggat tctatactca    300


<210>      31165
<211>      457
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      31165

agcttnccct tatgaatctc aagtgcnctg gcacgcctat tattctcctc ttaaacacgt     60

gtacgttgag catttctcca ttgtccaagc atatactata tgaactatga aatcagttct    120

atatgtggag ataataaaat gacatgactt ttaatgtatt ttacagtgaa tgaataaatc    180

attcatatta attatgtaga agctagaaag gataaaatga tacactntct tcttcttcct    240

ttctctttta atttaaacaa ctaanagaat tatcattntt tttattttca ttntctttnt    300

tatccaaaca tgacatagaa tggtttagtt agaanaatat tagcaaaaca canacagcgg    360

ngctgaagtg aattagttaa gggctctttn tagtccaagg accggcgctg atgcatggaa    420

tatgaaaata tatatataaa acgaattatg ataaaac                            457


<210>      31166
```

<211>   392
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31166

```
agcttgtcca ttaaaatatg tntttgaagt tagtcatttc aatttctgac taagtaaaat    60

ggatcatttt taaggtccaa cgccttgaaa tgatcacctc ttaagtaaaa aaaaaaatca   120

cttgataagc tagaactacg taggtctgat ttcttcatcg caattgagga tacgtaggag   180

caaaagcccc gcttttgtcg accaccccga gagatcgtta atggtccaac gccttaacgt   240

ttctctcctt tcaaaatcaa aagatcattt aatggtccaa caccttanat gacctttntg   300

ttcaatcaaa atatatcttg caaaaagata aaaaacaact taaccaaaca ctntgttccg   360

aaagaactac gtangtcttg attcctcatc gc                                 392
```

<210>   31167
<211>   385
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31167

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ttctaaatga taggctcaga atgcagaaga agtagcaatc aatttaataa tgttctttat    60

acatgcaaga caaaattgat tgcaataata aatgagataa gggaagagag aaatataaac   120

tcgatttata ctggttcggc cactccccgt gcctacgtct agttctcaag caacccactt   180

gagattntcc tttctctttg taaaaccctt ttacaaagtt tgaaccacac agggacaacc   240

catcccttgt gttcagaaat tcttacaact taagagaccc tcagtctctt aatcaatctc   300

tttgattaag aagaagaaga agaagaattc tctcttttaa gagaaagata atacaatgaa   360

gttccataaa ctcttaatag atttg                                        385
```

<210>   31168
<211>   338
<212>   DNA
<213>   Glycine max

<400>   31168

```
tctgttctca attacgaacg tctcgatata ttacgggaca caatcggaca cccgagttaa    60
```

aagttattgt cgtttgaatt tgctcagagc ttctattgtc aattacgagc gtctcgatat   120

attacgggac tcaatcggac atccgagtaa aaagttattg tcgtctgaat ttgctcaaag   180

cttctgtttt caattacgag cgtcctgata tattacgtga ctcaatcgga catccgagtc   240

aaaagttatt gtcggttgaa tttgctcaga gcttctgttt tcaattacga gcgtctccat   300

gtattacgag actcaatcgg acatccgagt aaaaatta   338

<210>   31169
<211>   394
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31169

aaatgtttca aacttttatg gtcagtgtaa accacaaagg gcctgcccaa cagatagtgc   60

ctccagcgtg gaatagctaa cactaaagcc atgagctcct tttcatacgc agattttgat   120

aaatcgccct ctgatcaagc tatgctaact aaagctatag gctgcctctg ctgcatcaaa   180

acagcaccaa ttcctctccc cgccgcatca cattccactt caaacagaat agagaaatca   240

ggtaacacta gtactggagc tatagtcatg atctgcttca gatgattgan agcctccaga   300

gcatcttttc cccaaataaa gttattcttc ttagtcattt cagtcaacgg gttagcaatt   360

gtaccataat cctttgataa tttctgtata accc   394

<210>   31170
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31170

tccacttgta tactgcaacc ataataaaag ctntctattn ttccctcccg tggatgtagc   60

ctttctcaag gtgaaccacg taatcctgtg tgtgttcttt ctcatctctt tctctttcaa   120

ttctgatgca atttgtgtgt atgataattt tgttatgctg catctattgc tgctgttctt   180

gcttgttctt catcacttcc ataatagcct tggctatcga tgtaggcacc ttgggcaccg   240

gtgagggccg tatgaactgc taacgttccc tttntactca ttatttattt ctttntattg   300

gtaatttatt caaatgttct catcgtcatc tttctccttt cgctatgttn tttttctttt   360

ggccaactat ggcgaaactg catcgtgtcg ccgtgttgtc gccaccatct tcgcgatcgt 420

<210>   31171
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31171

gcttangtgt tttatgacca atctaaattc tattaaatac atatattcgt agcatgtgtt   60

ttcaaggaag tctacgttac attaactttg attatatact aacttgattg gttatgtcat 120

gtttgtttaa taagatttga tgcccaagtt ttctgaagtt gttgaaaatg attcacaatg 180

tggtgaaaaa agaagcaact aatttatcaa aggattntga agagttaacc cctactaaac 240

acaatttcag ttgctattca gctatgggag aattgactcc taatgaaagt tagtctgcaa 300

cccanaataa ggataaatga tcttttgctc ataattctg gagatttgat tcccgttgga 360

actgtatttg gaactcanat acattcacag cccgaanaca ttgaaggtgc atataagcaa 420

ctgggtggat gtttgataat gtcanaacta at   452

<210>   31172
<211>   323
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31172

ccaaacgcac ccttcttcaa acattcggtc gtaggacttg ctataacgct aacattctgg   60

ataaagcggc gattacatga tgcaagacca aggaaagatc tcacgctacg aactggtaga 120

aggctcggcc aagtcttgat agcatgcact tttgtttgat caacggatac tccatctta 180

gacaccacat atccaagnac accacacttt caaccaagaa agcacactnt tccctcttgc 240

catagagtnt tcgggctctt agggtctcaa atatttggtt canatgagtg aaatgcccct 300

ctatagatnt gctatacacc aat   323

<210>   31173
<211>   432
<212>   DNA
<213>   Glycine max

agctttacat tactcaccca cctatggnta gcaaagtgta ttgtgtggga atttagatga   60

tcattttgtg ttttccttaa gttggacaat gaggcgagtc gaggtggctt tggccccttg   120

gccccgtaaa aggttgagtg agtttaggtt atatttatcc ttgccctgct aaggtgcttc   180

attgtcatgc tggggtagtt nttcatctta ctcaagtact tcttccttat gctaaggtac   240

cttttcctct cagtgttgag ctacctcctt gtctatgtca gttccctcat cctcaaactc   300

aacataacct tattgagttg atttcattnt caccctaana aagttgactt ggattgngca   360

tcatttaatg ctcattgtan gtggtcctgc ttgangtcgt ggagatggta gtgtanaatc   420

tctatgatga ca   432

tgtcctcggt gacgaagaca attgaataag ccccttcgag cttttcacag gcgtcaacga   60

ttctcaaaat gaagggtctg tgtttggaag tggcgatgag gtggagaaca acctcggtgt   120

cggaggtagt gttgaagatg gacccgctgt cctcgaggtt ggttcggagg gtgcggtagt   180

tgacgaggtt gccgttgtgg gccacgccga cggagccgaa gcggtagccg gcaacgaagg   240

gttgcacgtt tttgagcatg gattggccgg cggtggagta gcggacgtgg ccgatggcga   300

ggctgccggg gagctggtcc agcttcgact ggttgaacac gtc   343

agtttttaat tttatatnta aatntctaaa agctgataca aatagtntaa acttctgcta   60

atcgattaca taccttgtgt aatcgattac aggcttttaa attcaaattc aaaattttca   120

aattttttca gaaatcaact tagccactgg taatcgatta catcatctgc taatcaatta   180

ccagagagga aatatcatat ttttgaaaag ataattgttc tttaaaaaac ttttgtaaaa 240

tatttccttt agccaaacct gtgcaacatc aattaaggaa ttctttctaa gattctaact 300

atgtatatcg ttcttcttgc atttctgaat tcttgactta aatcgcgctt atctttggca 360

tcatcaaaac ttcatatcat atatgcttct acatcctana gtaatacttt gaaagacaga 420

gaagacatca naatgatttt tca 443

<210>   31176
<211>   245
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31176

tcattaagaa gcttactcca gaagcttcct cgtggcttct ttgagaagct ttctcaagag 60

acttctttga gaagctagat ccttatctat ccacacccct ctattaacta aattaacctc 120

cttaaaaata attacggata aaaataacac aacaaataat tcaacatcaa acataattac 180

taataattta tatatatata tatatatata tatatatata tatatcan ggtgttacac 240

ctact 245

<210>   31177
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31177

tctgctntgg attatgatnn ctatacaaaa gttagttgta taaagtgact aacgggngacc 60

cactctgcat gtctgtcaat tgaccatgcg atatccacgt cgtgtaattc ttcttaatcc 120

catcacacaa tagatggtcc catatgtcgt ccagtatttg tcgccttccg ttcaaacaat 180

tgatacgagg acactaatat tttccatctt catccagtcg acttctttnt gaagtaaatt 240

gcaagaactg ctcgacgcct tcctcatatt ctgggttgat gtgactntca ttcatcaaac 300

ttcgatccat ctcagtaata actctgtgat actcanagtt attcgatgct tganaatctc 360

actnntttat tataggtgtg gccctatccc attcangaag accgtctntt atggtagctt 420

catacgtca 429

<210> 31178
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31178

```
taagtctaga ttaatttaat tgtcactatc catggcaacc tctttgataa tttttttttt    60

cctttttaag aggaaacaga tcgagacact gacgaataca aatcacaaaa ccgtgaagaa   120

aattcacaaa aacgctaaaa tttcataagt tctcaaccca cattccccaa accccacaag   180

ttttcttcat tttctcagca aacaagcagg aaaaaaaaaa ggcaaatcag gaggattgca   240

cattatgcac aaagttagat ctgagaaaaa aaaaaaccca aatgcatgca aaaagaata    300

aagaaataaa caagttgaat caacaatgat gaaatntgaa aataaaacta aaaaaaaaaa   360

agtagaaaga                                                          370
```

<210> 31179
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31179

```
tatgctttta tttatatgga cttaccttga attaattcct ttgatagccc ttttgagcct    60

tgtttccctt tccttggttt gaagctcact acaagcctta agtgaaaaac catgatatta   120

ccatatcctt aaggaatttt ggagctttgg aattgttttg ggaataagtg tggggggttt   180

ttgtttcatt ggacaacttg ttttggtgac tatgcttcat gatgtatttt gggccatact   240

tgatgtacat tgtatattgg ttaaatgttg gacatgctga atgaaatgtt gtttctcaaa   300

ggcaaaaaaa aaaaaaaaaa aaaagcaata aagttgagtg aataagatct ttaatggcac   360

aagaatgatg aaactcttga gtctactctt catggttaat tnttatcttt acttcttttt   420

tnttttttctt aatatgcact tattcccctt                                   450
```

<210> 31180
<211> 334
<212> DNA
<213> Glycine max

ttagctttat ctttataatc tttgcatgat gatgatctgg cctctgtgca ngctctgtaa   60

catagcaaat aaagtctcaa agctgaatga ggaaggtcct gtagaaacta gagtaggaac   120

tggcaaagga gtgaatgctg aagctagaac tggtaaagat gaagctggaa tagatggagc   180

tgcagtagaa ggagctactg atggnggaat ctcaaaagat gggagagtct ttgacctttt   240

cccccttggcc ttgcgaggcc ctctaaaagt gattgagggg tcatcgacgt tccacccaat   300

tttcttcatg taagccaaat taatggttgg actg   334

<210>   31181
<211>   335
<212>   DNA
<213>   Glycine max

tgagttnttt taaaaatcat atttagctaa ataggagaga ccatgaactt taaaaaaaac   60

ctattaagtc tgatgaaccg acctgtttag caataatatt ntatattaaa gatattatta   120

ttaatatgat atatagtata attattatat ttaaattata aaattatttt aagagtttga   180

caattataat tagtgcttga aatatcttaa ttcgtataaa tataaatgtg tacaaaaata   240

tacattcttt tctttgggtg agacttaaaa gactttagca atatgtcacc cacaatggtt   300

ttccatattt tattgttaaa attgtcttat tattt   335

<210>   31182
<211>   452
<212>   DNA
<213>   Glycine max

ggtgttgaac ccatcattag tgaccttata atcccagcct gaggtaactt atgcttanta   60

acggtaccca actgcgttgt atagaaatct atacctggcg caaaaggcta tgggttatgc   120

ttctctggcc aacaccacac aaaacttttt cctttcatgc cgcaacctgg agccattgag   180

caacttggaa cttatgctgc aaacatttac aacaaacctt ctcaacctta gcaggcaaat   240

caaccaccgc agaacaatta tgacctcttc aagcacaaaa tccattcccg atggaggaat   300

aacctaatct tagaggtcta gccctaacaa caacacagca gcctgctctt tctttcaaat   360

gatgctgcta aacaagcatt cattcttcac aatcaacaca gcacagccca gaacacaaca   420

gttgagctct cgaaccttct cgagactgta gg   452

<210>   31183
<211>   236
<212>   DNA
<213>   Glycine max

<400>   31183

tctatagaag gttcgttcct aatttctcta caattgcatc acctctcaat gagctggtga   60

agaagaatgt ggcatttacc tggggtgaaa aacaagagca agtctttgct ttgctcaaag   120

aaaagcttac taaggcacct gttctagctc ttcctgacta ttctaagact tttgagctag   180

aatgtgatgc ctctggagtg ggagttggaa ctgtattgtt acaaggtggg caccct   236

<210>   31184
<211>   512
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31184

ctgactatga ntcnattgca naccgggaac cgagcacgac caggcacctg taaccgccgc   60

cggcggttta ctttatcttt atcancnccg ccagacgaag accagggctc tgagcaagct   120

ctgcaacaca ccagananag ncgcaaagca gaaggaggaa cgggctgcag aaactaaacg   180

acgaactggc aaaggagtga acgctgaagc tcgaactggg caagatcaag ctggaataga   240

tggagctgca atagaacgag ctactgatgg gggaatctca taagatggga gagtctttga   300

ccttttaccc ttgggcttgc gaggccctct aaaagcgact gaagggcacc gacggtccac   360

cacattttct tcatgaacgc caagtaatgc gtggctgaga ctcccacaag ataatgaatt   420

cgaactggca tcctatgctc ttgctaaagg agcaatgata gcagagaaga ctatcctccg   480

gagtattctg tgctacacac aaactaacag ag   512

<210>   31185
<211>   411
<212>   DNA

<210>   (not shown)

<213>   Glycine max

<223>   unsure at all n locations
<400>   31185

tataagaaca aaattgccta aatcatttcc aaatatgcat gtgaattagg aagcatcaac   60

aagaattaag ccaaggctat tgtgcaagca atcaatgggg caaaaaacac taaaagatta   120

tgatgatgga tggctcaaat tctcacaaag gtaaacttat cactttcaaa ttgagctttc   180

aaaactatca tgacatgtag aggaaaaaca aggatttcaa atcacaaaat gtcaagagac   240

ttttattttc agaacaatta cccattactt gaacatatcc tataattcan agacaaacat   300

gcaaatttaa cacaacaaaa ctaacaaaat taaactaatt taacacaact aacaaaacca   360

aaaccaaaga acacactccc cccccccata cttaaacaac acattgtcct c   411

<210>   31186
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   31186

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caaaacaaga aatgaattga aagtctcgga ttcgaaaact tatcggttga agaacgaaga   120

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<223>   unsure at all n locations
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14001